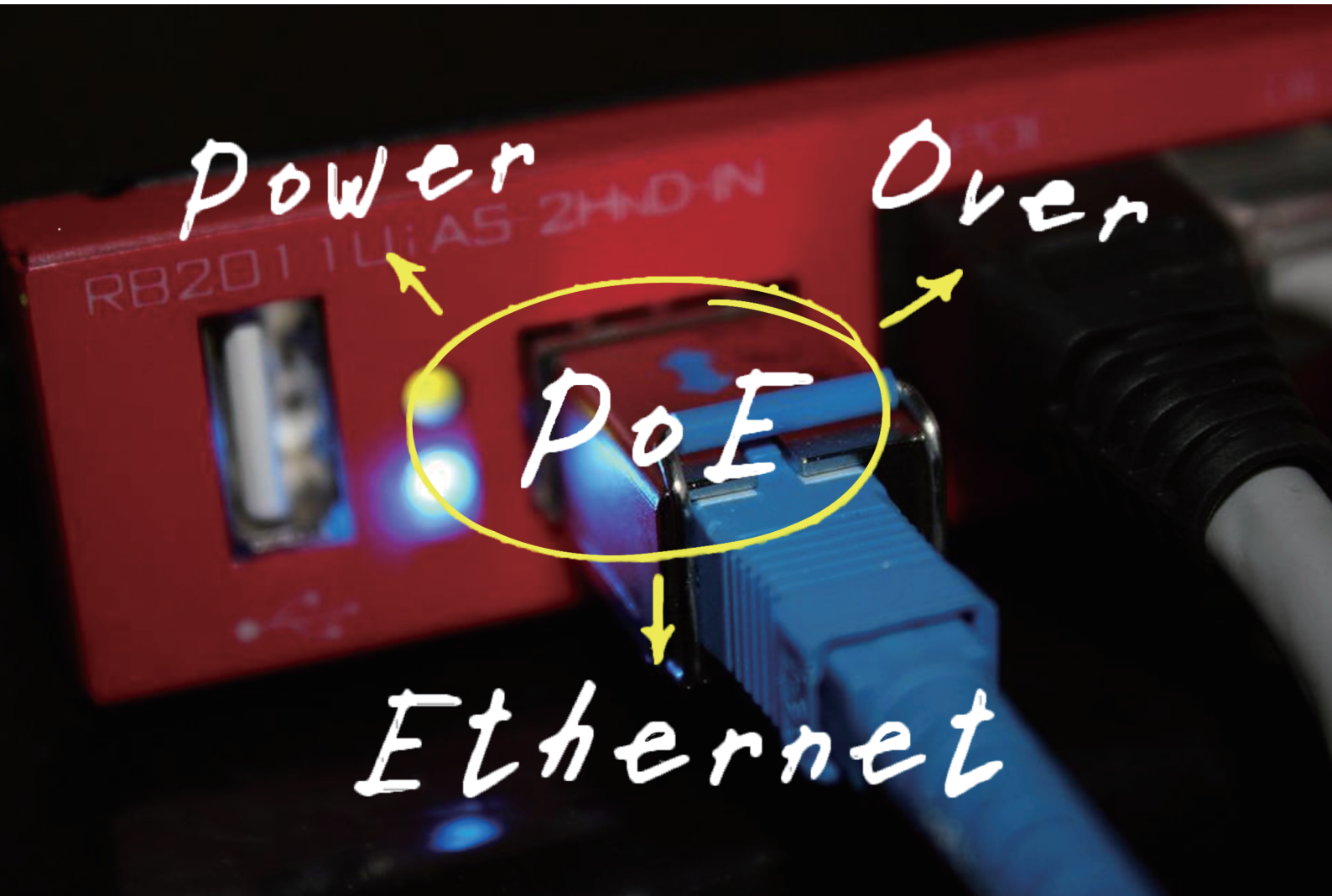
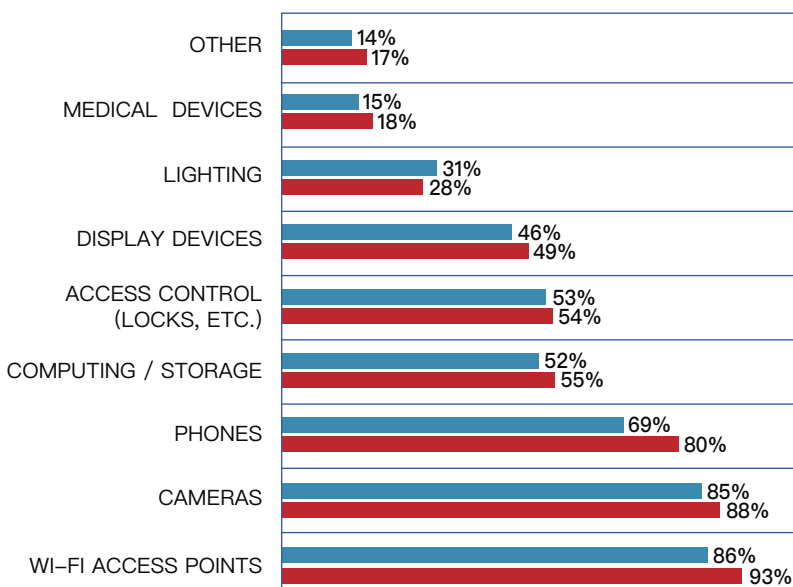


We are the leading LAN and PoE transformer manufacturer

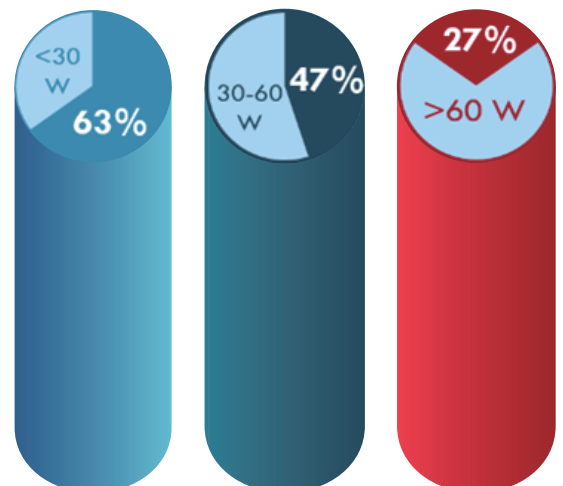


PoE DEVICE DEPLOYMENT

■ Deployment In Next 12 Months ■ Already Deployed



PLANS FOR DEPLOYING PoE BY POWER LEVEL



Links Your Future

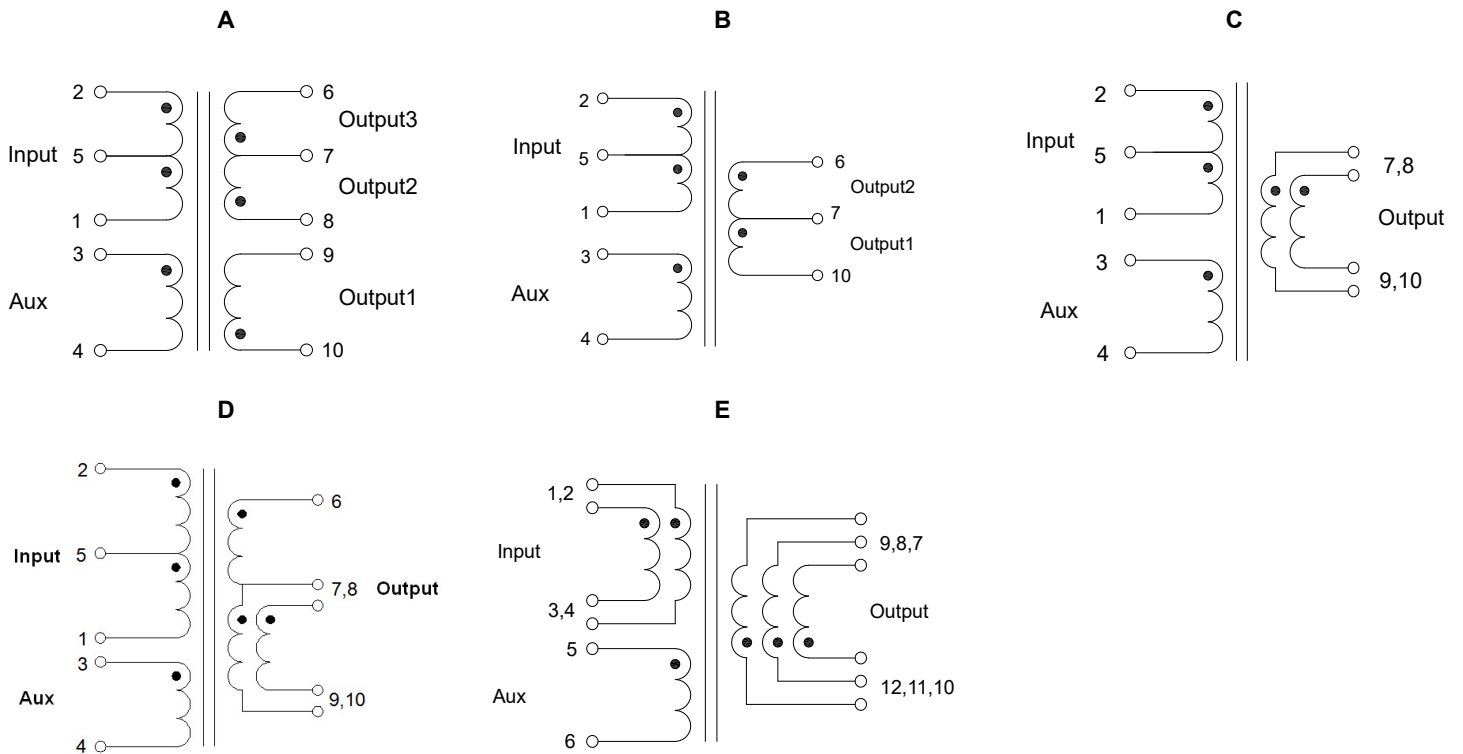


PoE Applications - Texas Instruments

IC Number	LinkCom Part Number	Watts	Input	Aux	Output	Inductance (uH)	Schematic	Package	Topology
TPS23785	LDT0567-50	13	36V-57V 250KHz	10.3V 20mA	O1: 3.3V/2A O2: 5V/1A O3: 10V/10mA	133±7%	A	#1(EP-13)	Flyback
TPS23785	LDT0568-50	13	36V-57V 250KHz	10.3V 20mA	O1: 3.3V/2A O2: 5V/1A O3: 10V/10mA	240±7%	A	#1(EP-13)	Flyback
TPS23785	LDT0571-50	13	36V-57V 250KHz	10.3V 20mA	O1: 3.3V/1.5A O2: 5V/1A O3: 10V/0.2A	220±7%	A	#1(EP-13)	Flyback
TPS23753	LDT0959-50	13	36V-57V 250KHz	10.3V 20mA	O1:3.3V/3.3A O2: 10V/0.2A	133±7%	B	#2(EP-13)	Flyback
TPS23755	LDT0950-50	13	36V-57V 250KHz	13.5V 20mA	12V/1A	150±7%	C	#2(EP-13)	Flyback
TPS23755	LDT0939-50	13	36V-57V 250KHz	10.3V 20mA	O1: 3.3V/2A O2: 5V/1A O3: 10V/10mA	133±7%	A	#2(EP-13)	Flyback
TPS23758	LDT1018-50	13	36V-57V 250KHz	10.5V 20mA	5V/2.38A	150±7%	D	#3(EPD-13)	Flyback
TPS23758	LDT1023-50	13	36V-57V 250KHz	10V 20mA	3.3V/3.6A	140±7%	D	#3(EPD-13)	Flyback
TPS23758	LDT6003-50	36	36V-57V 250KHz	10.5V 20mA	5V/2.38A	150±7%	D	#2(EP-13)	Flyback
	LDT0687-50	25	37V-57V 250KHz	12V 20mA	5V/5A	50±10%	E	#5(EFD-17)	Flyback
TPS23751	LDT0666-50	25	37V-57V 250KHz	12V 20mA	5V/5A	70±10%	E	#6(EFD-20)	Flyback

PoE Applications - Texas Instruments

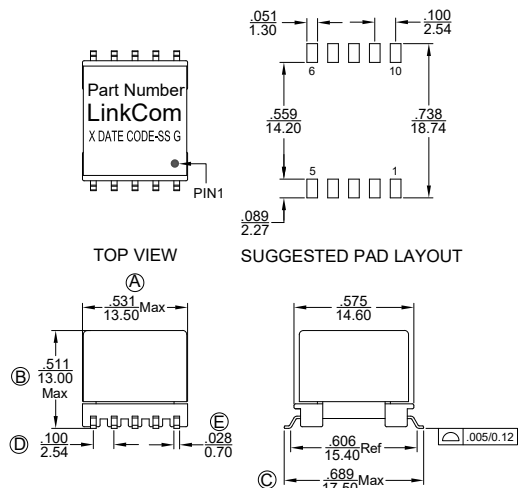
Schematics:



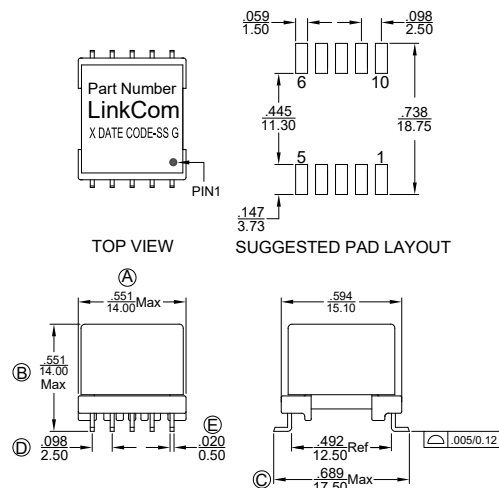
PoE Applications - Texas Instruments

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

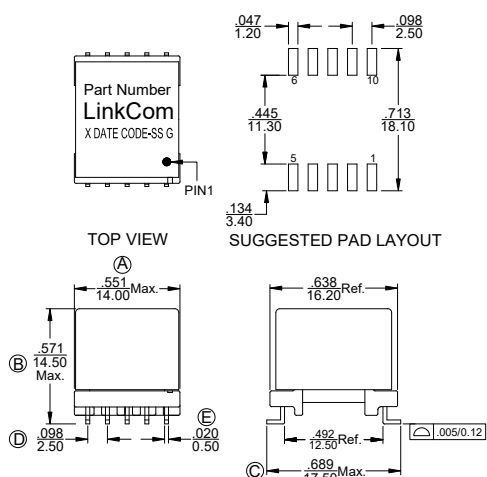
#1 (EP-13)



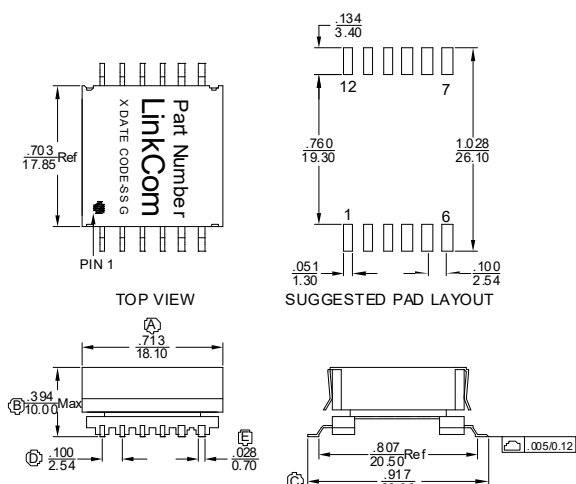
#2 (EP-13)



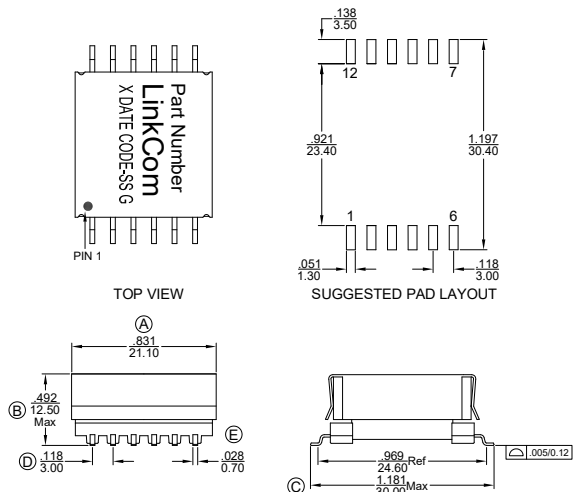
#3 (EPD-13)



#4 (EFD-17)



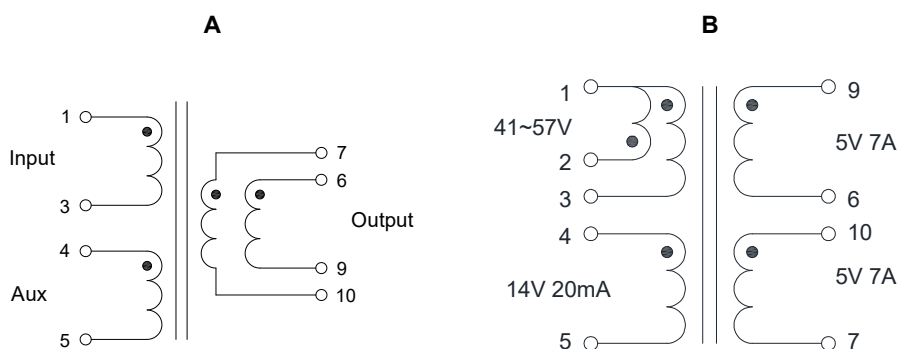
#5 (EFD-20)



PoE Applications - SKYWORKS

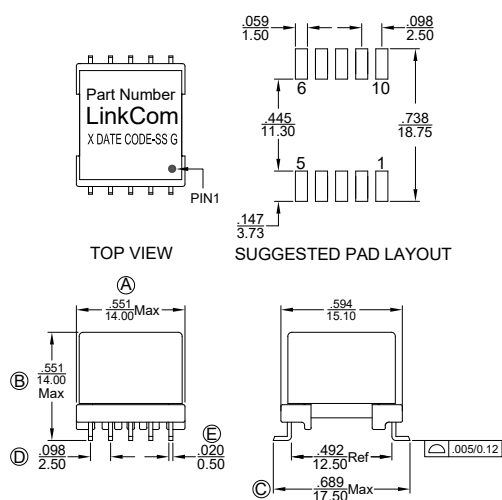
Silicon Labs Part No.	LinkCom Part No.	WATTS	Input	Aux	Output	Inductance (uH)	Schematic	Package	Topology
	LDT0955-50	13	35V-57V 250KHz	15V 20mA	O: 12V/1.25A	70±7%	A	#1	Flyback
Si34061	LDT1020-50	30	35V-57V 250KHz	15V 20mA	O: 5V/6A	70±7%	A	#2	Flyback
Si34061	LDT1026-50	25	36V-57V 220KHz	14.5V 25mA	O: 12V/2.1A	80±7%	A	#2	Flyback
Si34071	LDT1056-50	35	41V~57V	14V 20mA	O: 5V/7A	100±15%	B	#2	Flyback

Schematics:

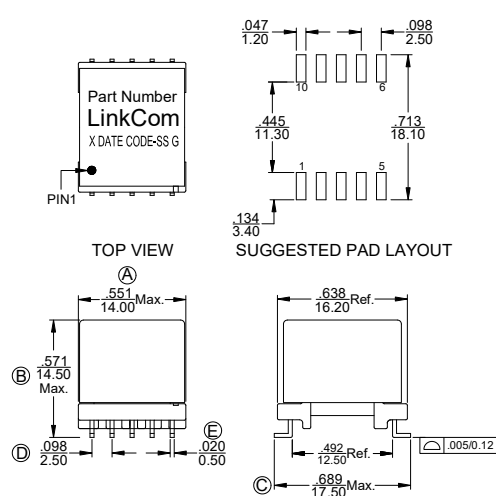


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

#1 (EP-13)



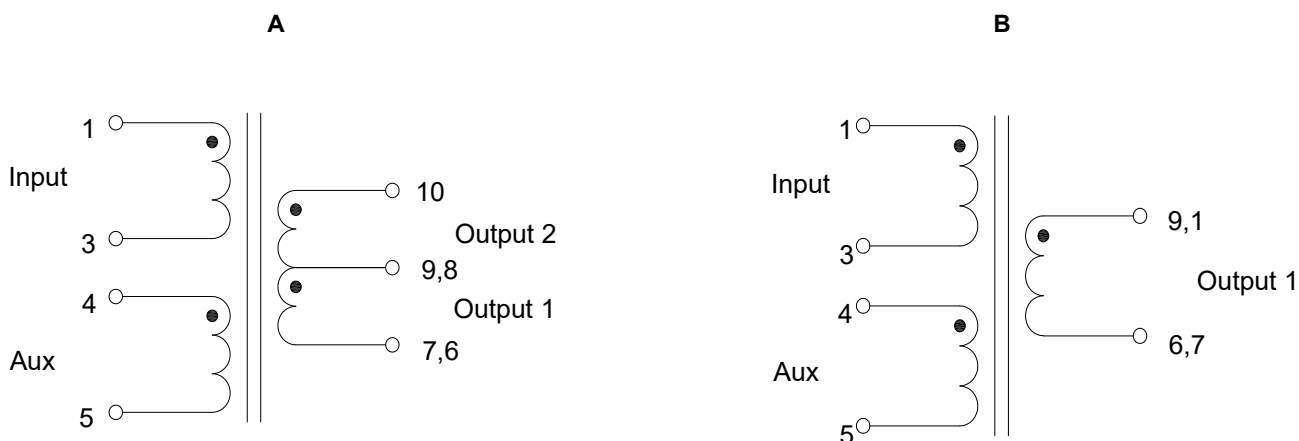
#2 (EPD-13)



PoE Applications - MPS

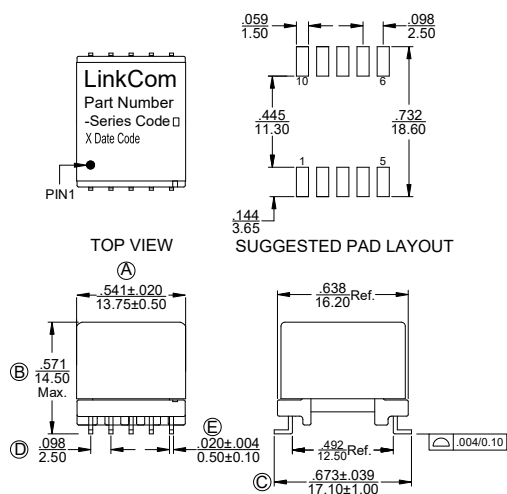
IC Number	LinkCom Part Number	Watts	Input	Aux	Output	Inductance (uH)	Schematic	Package	Topology
MP8030	PE4012-001L	40	36V-57V 250KHz	10V 50mA	O1: 12V/3.33A O2: 10V/50mA	48±10%	A	#1(EPD-13)	Flyback
MP8009	LDT6062-50	25.2	42V-57V 250KHz	11V 20mA	O1:12V/2.1A	70±10%	B	#2(EP-13)	Flyback

Schematics:

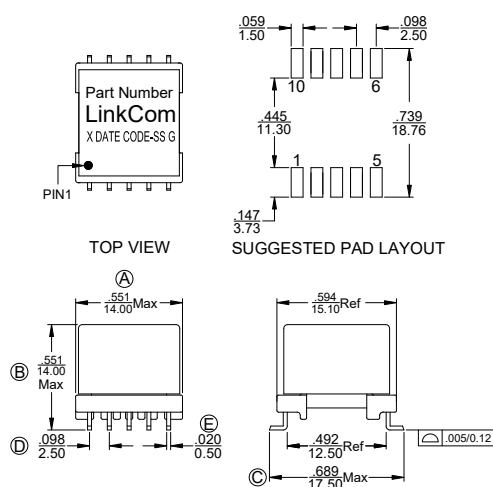


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

#1 (EPD-13)



#2(EP-13)

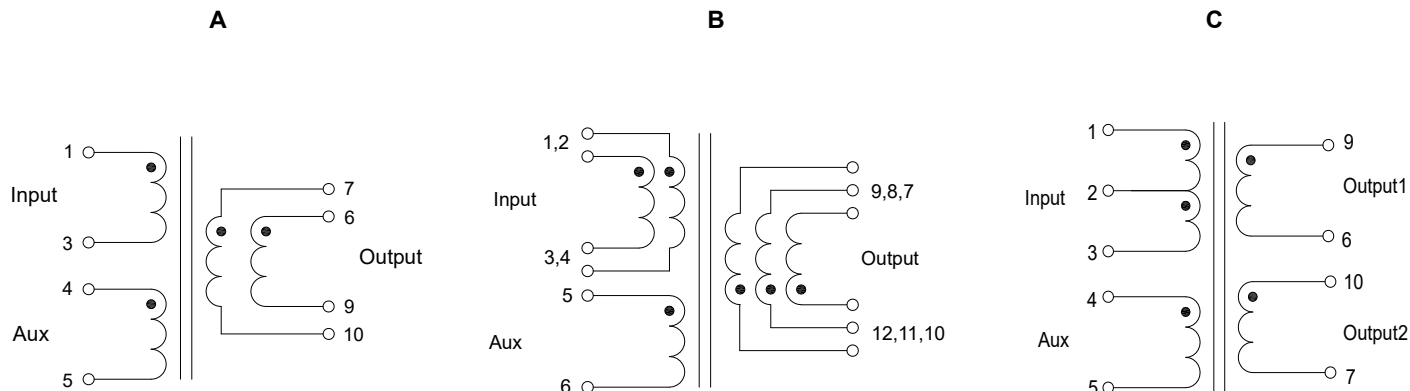


PoE Applications - Customized

LinkCom Part No.	Watts	Input	Aux	Output	Inductance (uH)	Schematic	Package	Topology
LDT0811-50	13	33V-57V/200KHz	12V/20mA	3.3V/4A	70±10%	A	#1	Flyback
LDT0812-50	13	33V-57V/200KHz	12V/20mA	5V/2.7A	70±10%	A	#1	Flyback
LDT0813-50	13	33V-57V/200KHz	12V/20mA	12V/1.125A	70±10%	A	#1	Flyback
LDT0821-50	25	37V-57V/250KHz	12V/20mA	3.3V/7.5A	37±10%	A	#1	Flyback
LDT0822-50	25	37V-57V/250KHz	12V/20mA	5V/5A	37±10%	A	#1	Flyback
LDT0823-50	25	37V-57V/250KHz	12V/20mA	12V/2.1A	37±10%	A	#1	Flyback
LDT0952-50	25	33V-57V/200KHz	12V/20mA	12V/1.8A	100±15%	A	#3	Forward
LDT1001-50	25	36V-57V/250KHz	10V/20mA	O1:3.3V/3.5A O2:3.3V/3.5A	62±10%	C	#2	Flyback
LDT1002-50	30	36V-57V/250KHz	10V/20mA	O1:5V/3A O2:5V/3A	55±10%	C	#2	Flyback
LDT0696-50	30	36V-72V/250KHz	12V/20mA	5V/6A	42±10%	B	#4	Flyback
LDT1003-50	36	36V-57V/250KHz	10V/20mA	O1:12V/1.5A O2:12V/1.5A	48±10%	C	#2	Flyback
LDT0817-50	50	36V-57V/250KHz	12V/30mA	12V/4.2A	65±10%	B	#6	Flyback

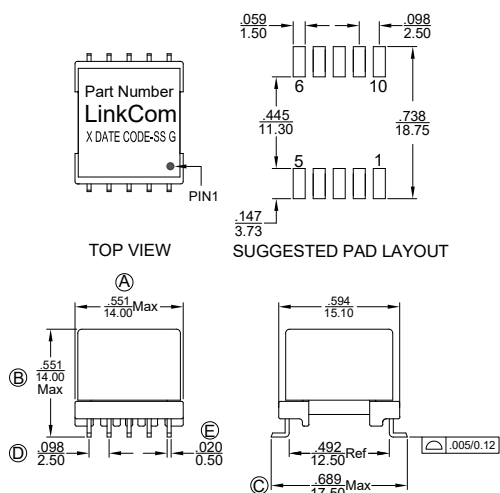
PoE Applications - Customized

Schematics:

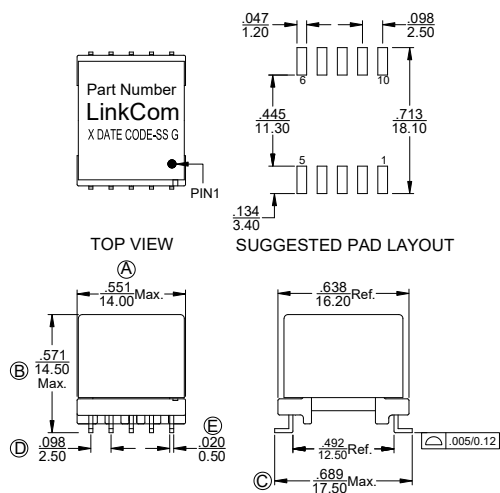


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

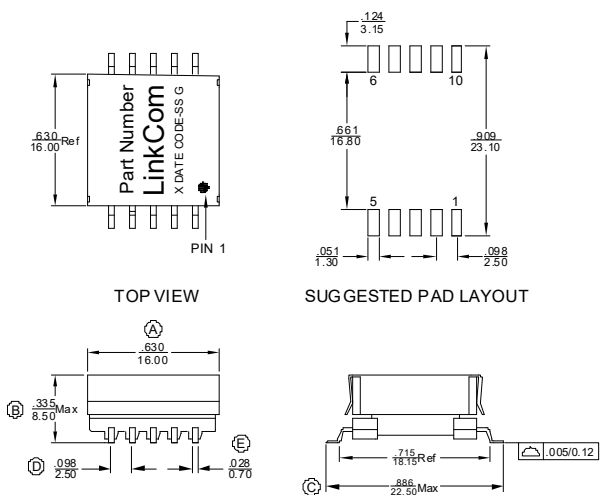
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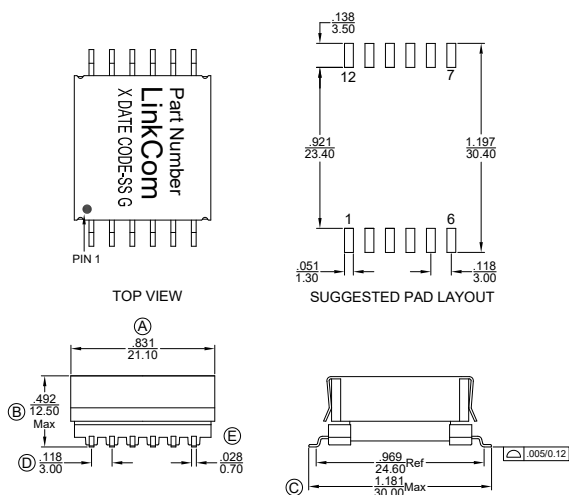
#2 (EPD-13)



#3 (EFD-15)

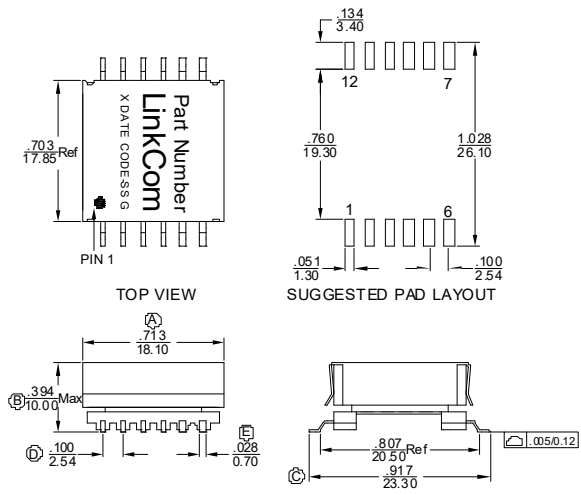


#4 (EFD-20)

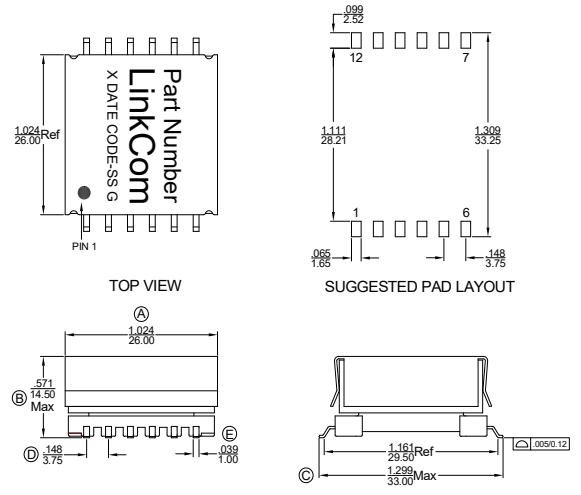


PoE Applications - Customized

#5 (EFD-17)



#6 (EFD-25)

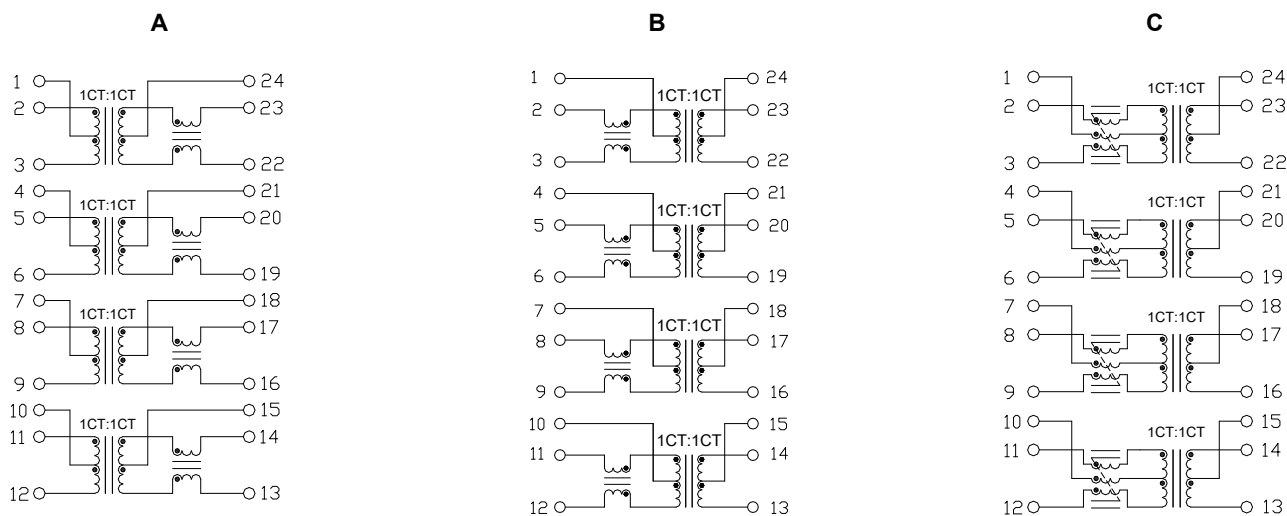


LAN Applications - 2.5/5G/10G BASE-T Magnetic Module

- Meets IEEE 802.3bz standard for 2.5G/5G BASE-T
- Meets IEEE 802.3an standard for 10G BASE-T
- RoHS Compliant

LinkCom Part no.	Pin Style	Pin	Temperature	Application	Port	Schematic	Dimension
LAN7241-50	SMD	24	0°C ~70°C	2.5G Base-T	1	A	#1
LAN7241-53	SMD	24	0°C ~70°C	2.5G Base-T	1	C	#1
LAN7241-55	SMD	24	0°C ~70°C	2.5G Base-T	1	B	#1
LAN7242-50	SMD	24	0°C ~70°C	2.5G Base-T	1	A	#2
LAN7241-52	SMD	24	0°C ~70°C	2.5G Base-T	1	B	#2
LAN7246-50	SMD	24	0°C ~70°C	5G Base-T	1	A	#1
LAN7246-53	SMD	24	0°C ~70°C	5G Base-T	1	B	#1
LAN8241-51	SMD	24	0°C ~70°C	10G Base-T	1	A	#1

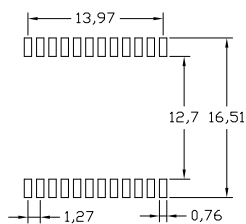
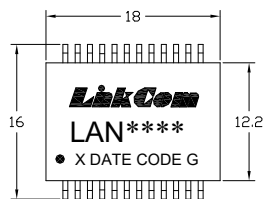
Schematics:



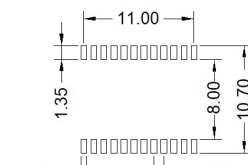
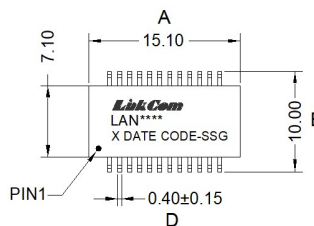
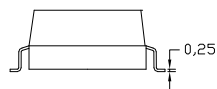
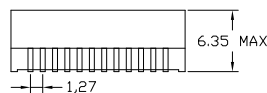
Dimension: (Units: mm)

#1

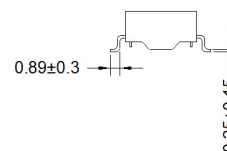
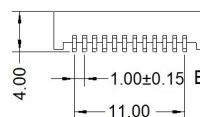
#2



SUGGESTED PAD LAYOUT



SUGGESTED PAD LAYOUT

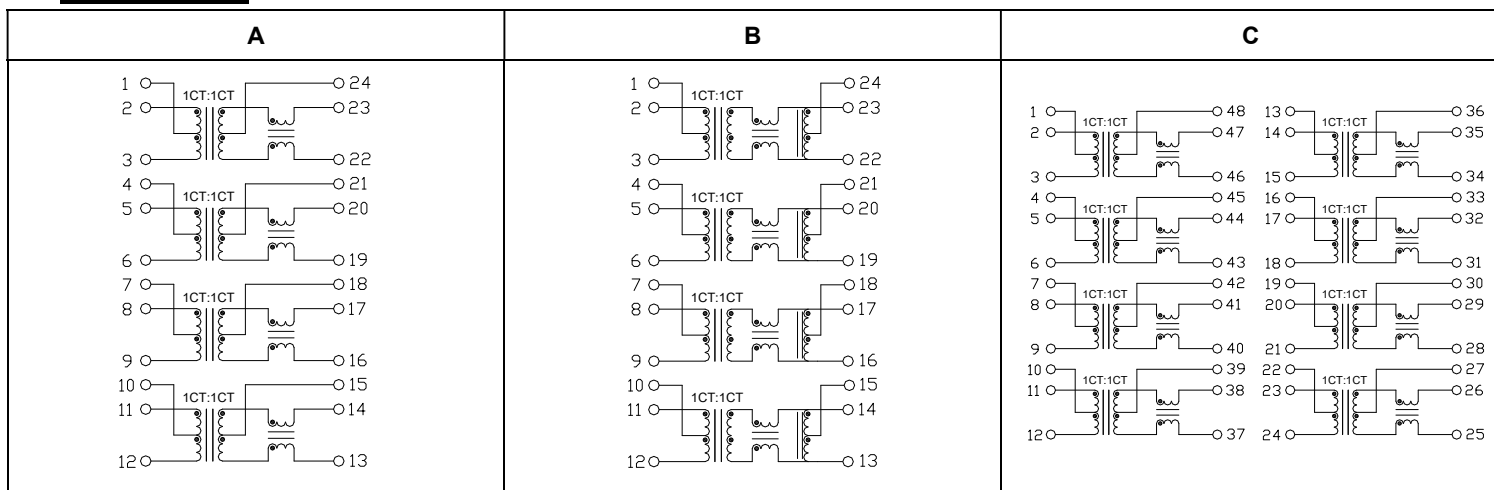


LAN Applications - 10/100/1000 BASE-T Magnetic Module

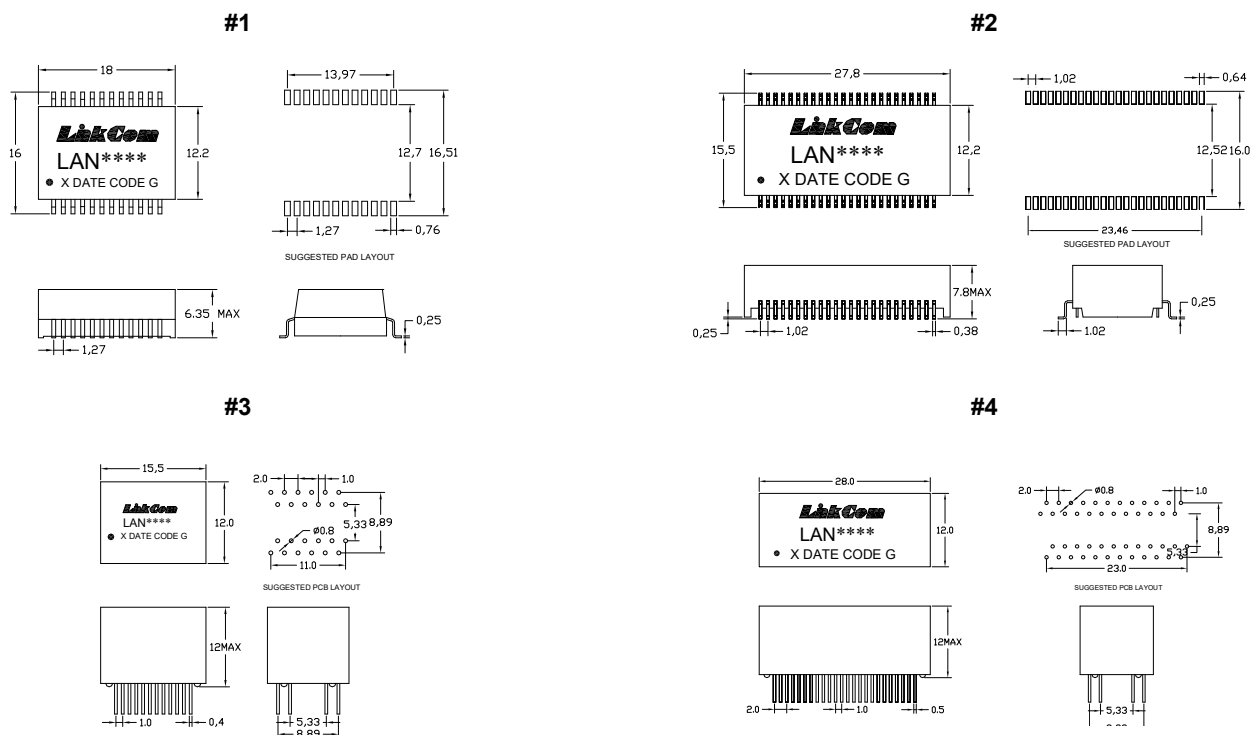
- Meets IEEE 802.3 standard for 10/100/1000 BASE-T
- RoHS Compliant

LinkCom Part no.	Pin Style	Pin	Temperature	Application	Port	Schematic	Dimension
LAN3003-80	SMD	24	0°C ~70°C	10/100/1000 Base-T	1	A	#1
LAN3004-83	SMD	24	0°C ~70°C	10/100/1000 Base-T	1	B	#1
LAN3007-80	SMD	48	0°C ~70°C	10/100/1000 Base-T	2	C	#2
LAN3241-52	DIP	24	0°C ~70°C	10/100/1000 Base-T	1	A	#3
LAN3482-50	DIP	48	0°C ~70°C	10/100/1000 Base-T	2	C	#4

Schematics:



Dimension: (Units: mm)

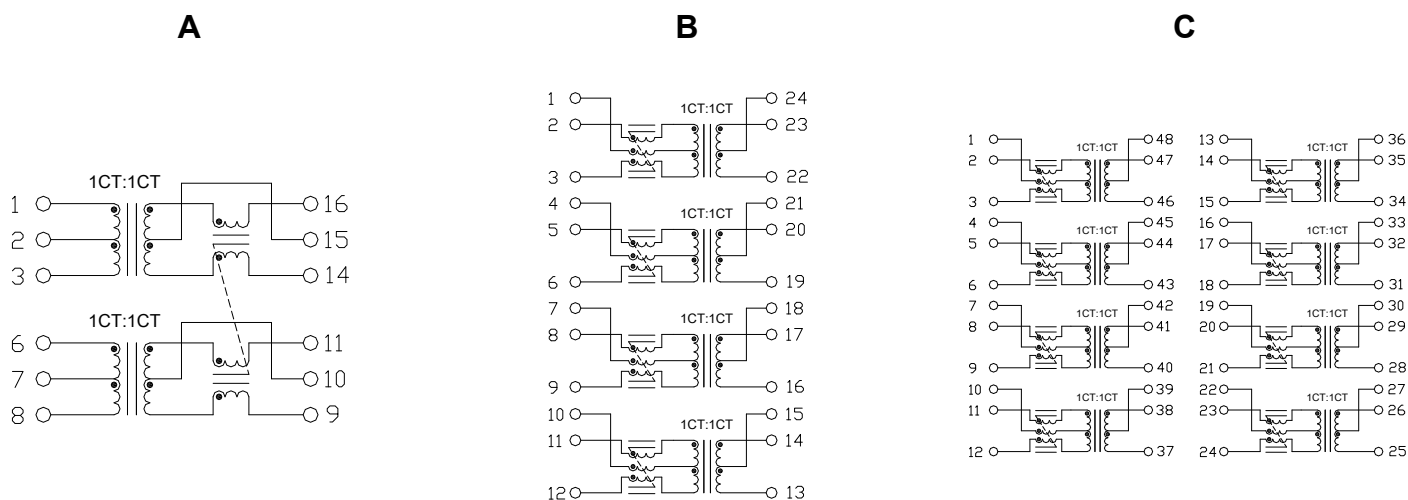


LAN Applications - 10/100/1000 BASE-T Magnetic Module

- Meets IEEE 802.3af standard for 10/100/1000 BASE-T
- RoHS Compliant

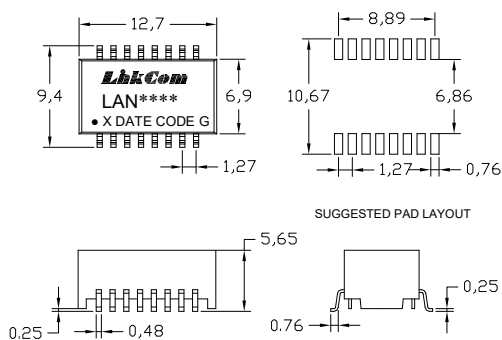
LinkCom Part no.	Pin Style	Pin	Temperature	Application	Port	Schematic	Dimension
LAN2019-51	SMD	16	0°C ~70°C	10/100 Base-T	1	A	#1
LAN2241-53	SMD	24	0°C ~70°C	10/100/1000 Base-T	1	B	#2
LAN2482-52	SMD	48	0°C ~70°C	10/100/1000 Base-T	2	C	#3

Schematics:

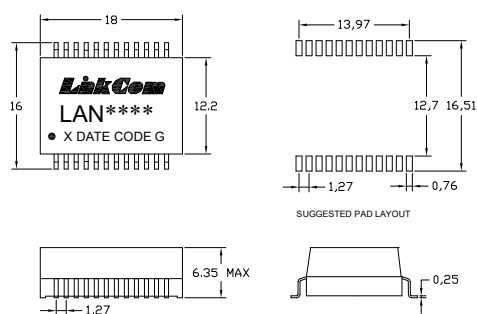


Dimension: (Units: mm)

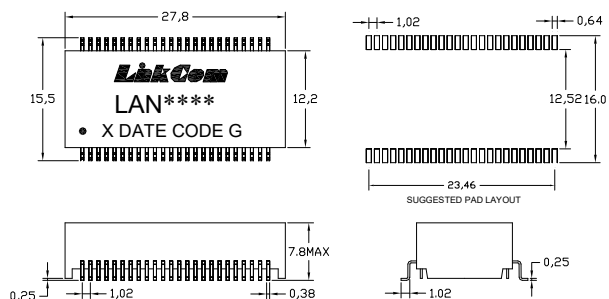
#1



#2



#3

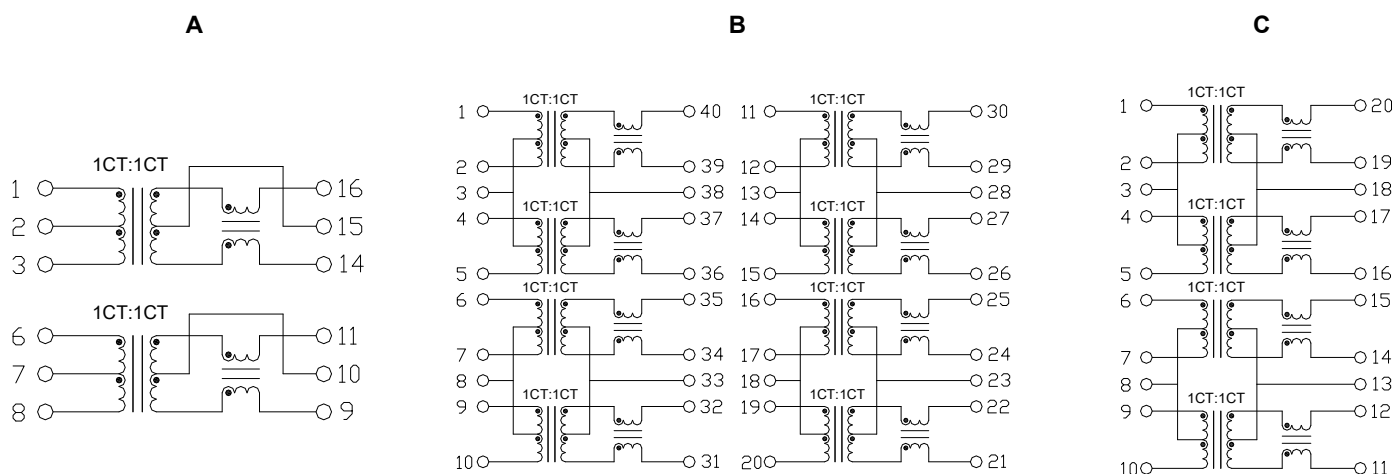


LAN Applications - 10/100 BASE-T Magnetic Module

- Meets IEEE 802.3 standard for 10/100 BASE-T
- RoHS Compliant

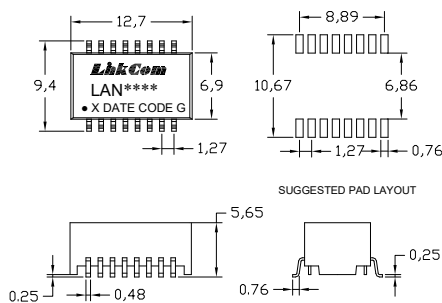
LinkCom Part no.	Pin Style	Pin	Temperature	Application	Port	Schematic	Dimension
LAN1102-80	SMD	16	0°C ~70°C	10/100 Base-T	1	A	#1
LAN1164-70	SMD	40	0°C ~70°C	10/100 Base-T	4	B	#3
LAN0068-50	DIP	20	0°C ~70°C	10/100 Base-T	2	C	#2

Schematics:

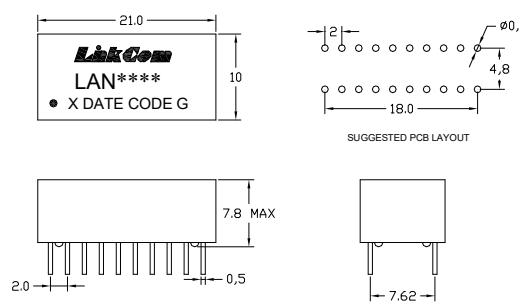


Dimension: (Units: mm)

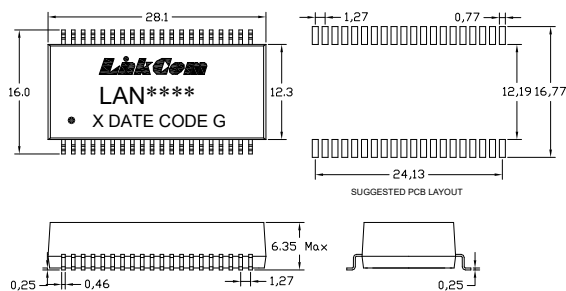
#1



#2



#3

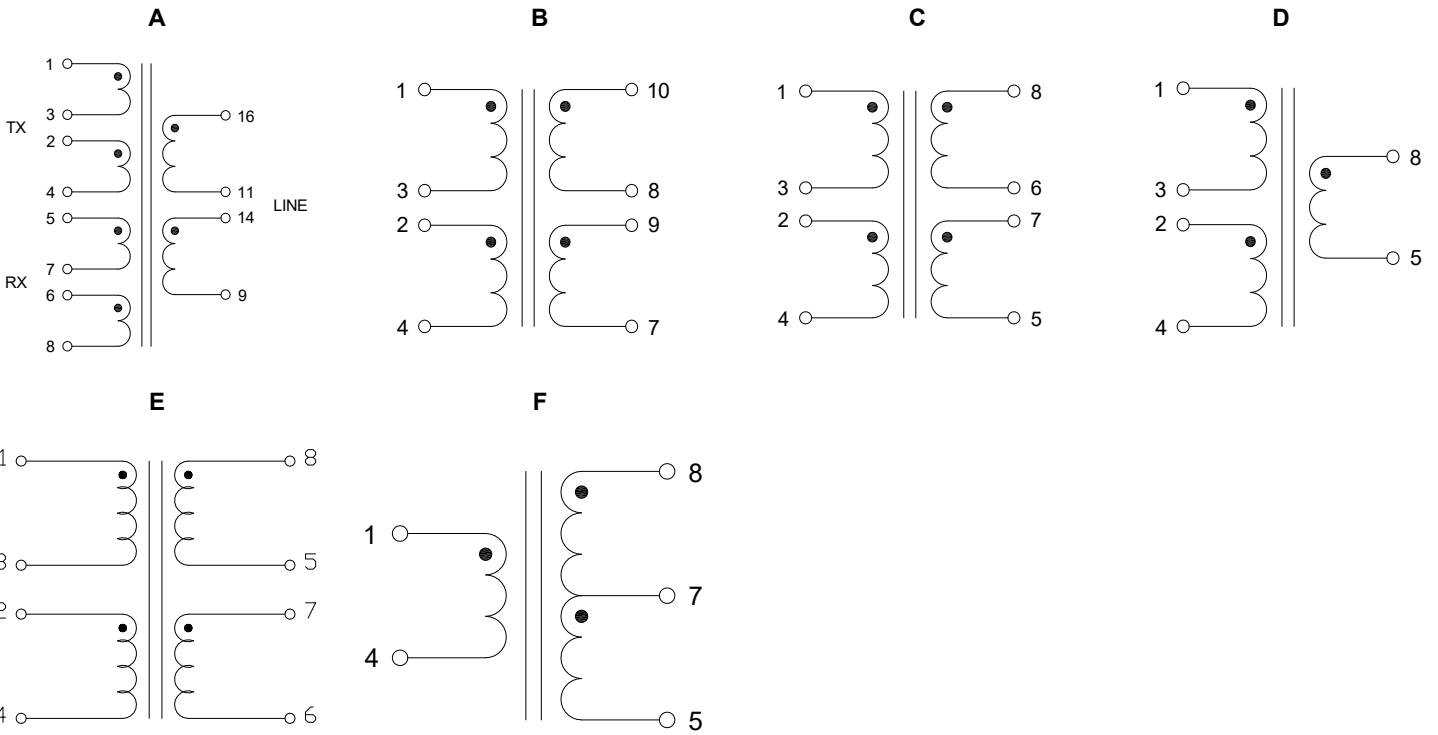


DSL Applications - BROADCOM

IC Number	LinkCom Part Number	Application	Location	Annex	6KV Surge	Schematic	Dimension
BCM63168/148/168	LAL0665-53	ADSL	CPE	-	No	A	#1
BCM63168/148/168	LAL2020-51	ADSL	CPE	-	No	A	#2
BCM96368	LAL0560-50	VDSL2	CPE	A	No	A	#1
BCM96368	LAL2620-50	VDSL2	CPE	A	Yes	A	#2
BCM63138/148/168	LAL0562-50	VDSL2	CPE	A	No	B	#3
BCM63138/148/168	LAL0562-60	VDSL2	CPE	A	Yes	B	#3
BCM63138/148/168	LAL0573-50	VDSL2	CPE	B	No	B	#3
BCM63138/148/168	LAL0573-60	VDSL2	CPE	B	Yes	B	#3
BCM63138/148/168	LAL0575-50	VDSL2	CPE	B/J	No	B	#3
BCM63138/148/168	LAL0575-60	VDSL2	CPE	B/J	Yes	B	#3
BCM63138	LAL1038-60	VDSL2	CPE	C	Yes	C	#5
BCM63138/148	LAL1275-50	VDSL2 RNC	CPE	-	No	E	#5
BCM63138/148	LAL1276-50	VDSL2 RNC	CPE	-	No	E	#5
BCM63381	LAL0572-50	VDSL2	CPE	A	No	B	#3
BCM63381	LAL0572-60	VDSL2	CPE	A	Yes	B	#3
BCM63381	LAL0576-50	VDSL2	CPE	B/J	No	B	#3
BCM63381	LAL0576-60	VDSL2	CPE	B/J	Yes	B	#3
BCM63138	LGT1502-50	G.fast	CPE	-	No	C	#6
BCM63138	LGT1502-60	G.fast	CPE	-	Yes	C	#6
BCM6524x	LGT0500-50	G.fast	CO	-	No	C	#6
BCM6524x	LGT1500-50	G.fast	CO	-	No	C	#6
BCM63138	LGT1502-50	G.fast	CPE	-	No	C	#6
BCM63138	LGT1502-60	G.fast	CPE	-	Yes	C	#6
BCM63158	LGT0105-60	Balun	CPE	-	Yes	F	#7
BCM63158	LGT2507-50	G.fast	CPE	-	No	D	#4
BCM63158	LGT0502-50	G.fast RNC	CPE	-	No	C	#6
BCM63158	LGT1512-60	G.fast	CPE	-	Yes	C	#6

DSL Applications - BROADCOM

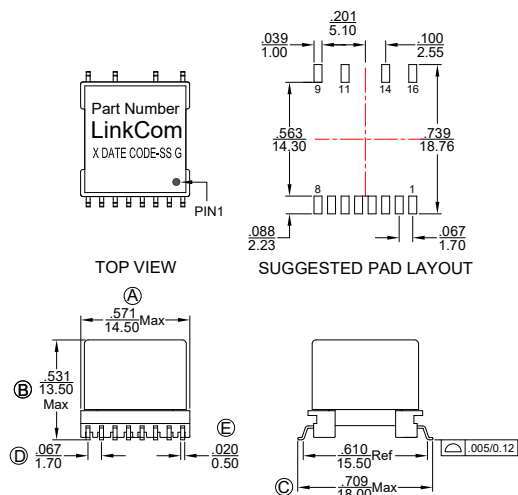
Schematics:



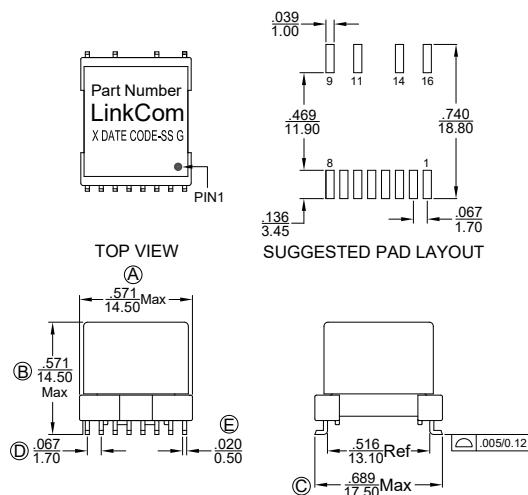
DSL Applications - BROADCOM

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

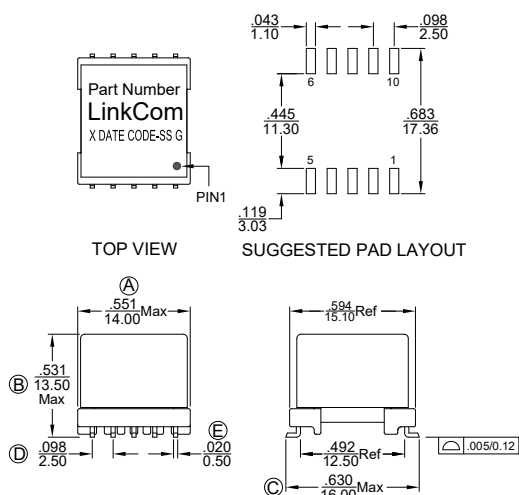
#1(EP-13)



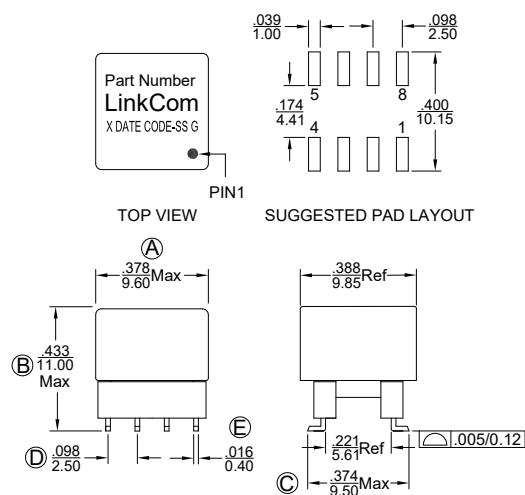
#2(EP-13-L)



#3(EP-13)

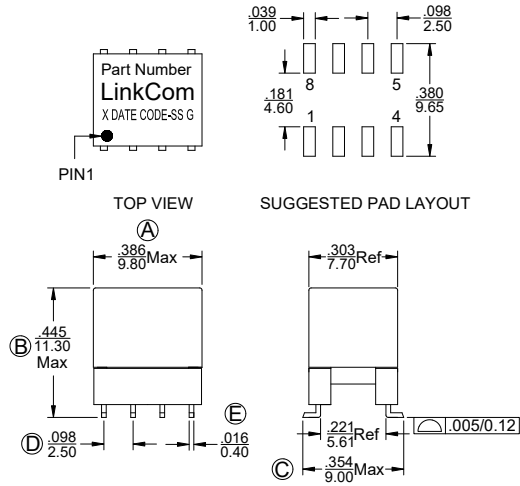


#4(EP-7)

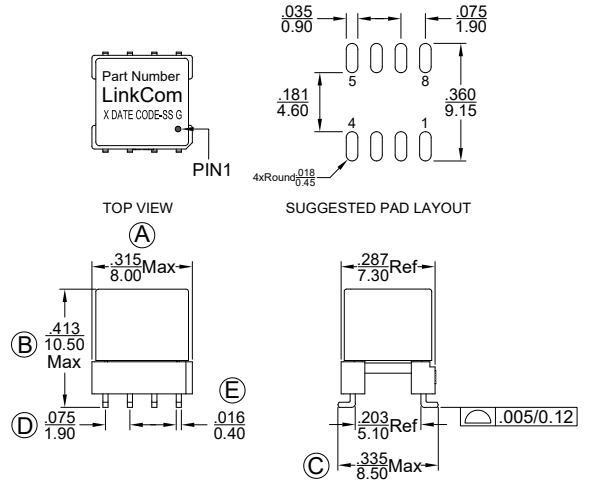


DSL Applications - BROADCOM

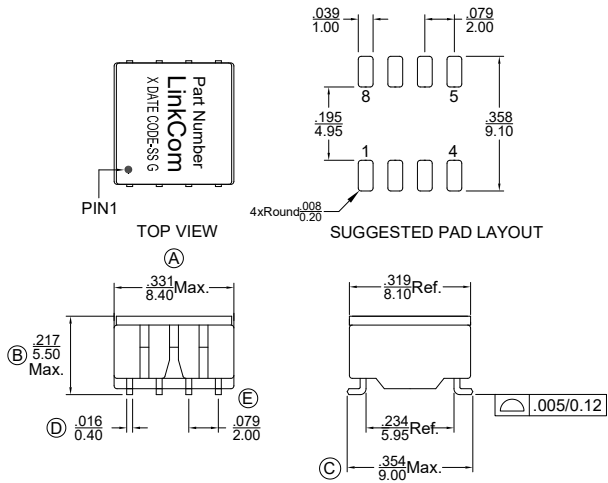
#5(EP-7)



#6(EP-5.5)



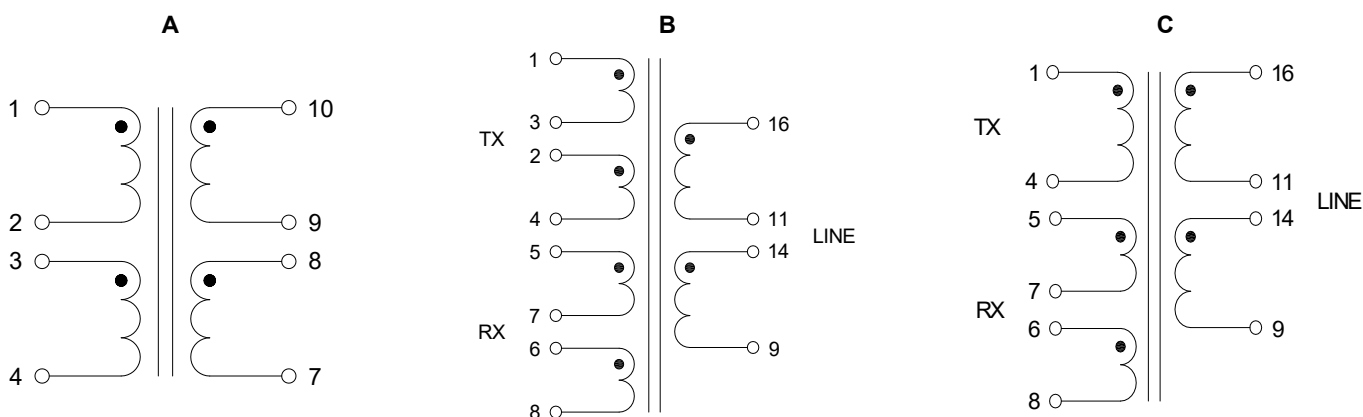
#7(HD-8P-H55)



DSL Applications - MAXLINEAR

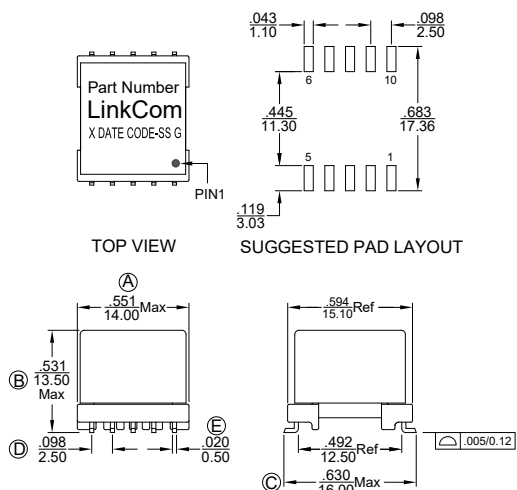
IC Number	LinkCom Part Number	Application	Location	Annex	6KV Surge	Schematic	Dimension
VR9/VRX2xx/ VRX318	LAL0520-50	VDSL2	CPE	A	No	A	#1
VR9/VRX2xx/ VRX318	LAL0530-50	VDSL2	CPE	B	No	A	#1
AR10, ARX300	LAL2688-50	ADSL2+	CPE	A/B/J	No	B	#2
VRX518	LAL0580-63	VDSL2	CPE	A	Yes	C	#2

Schematics:

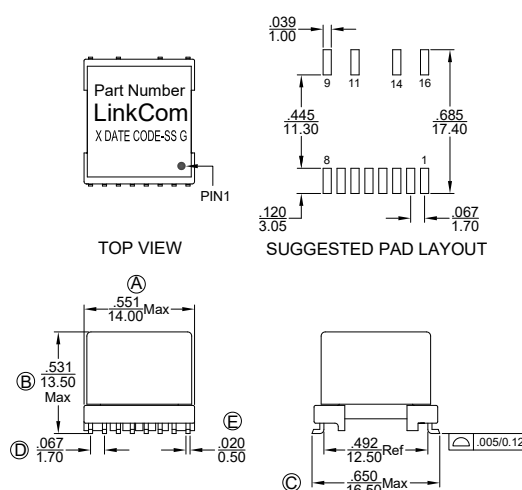


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

#1(EP-13)



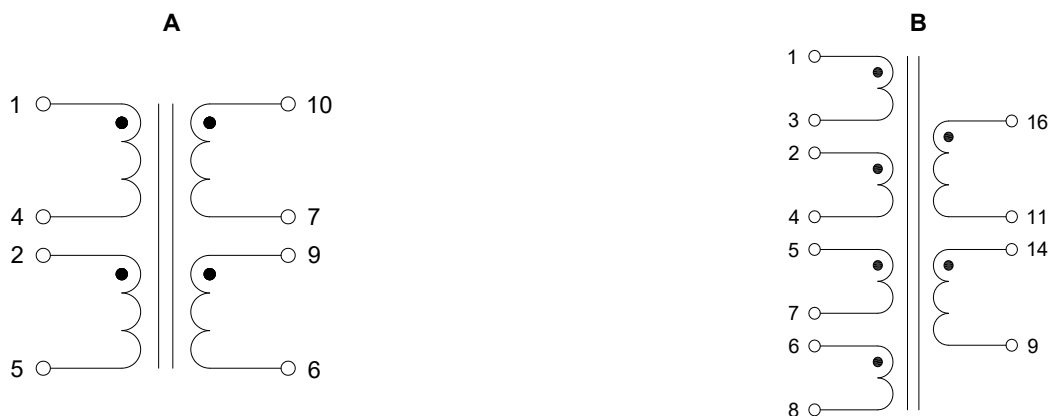
#2(EP-13)



DSL Applications - ECONET

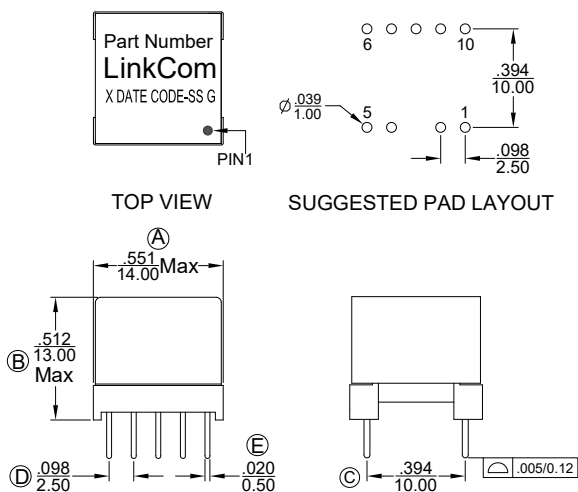
IC Number	LinkCom Part Number	Application	Location	Annex	6KV Surge	Schematic/ Dimension	Package
TC3085	LAL2009-51	ADSL2+	CPE	A	No	A	#1
RT63087	LAL2209-50	ADSL2+	CPE	A	No	A	#1
MT7555 EN7556	LAL2522-52	VDSL2	CPE	A	No	B	#2

Schematics:

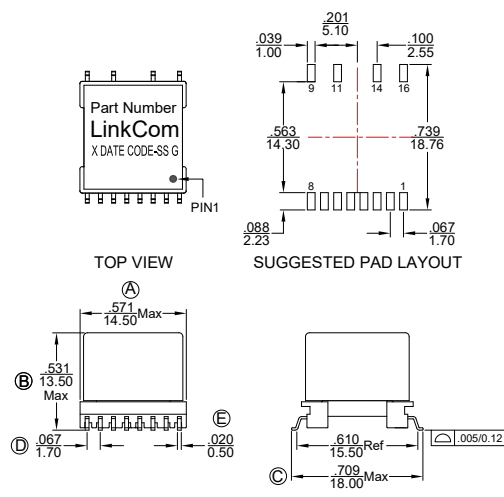


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

#1(EP-13)



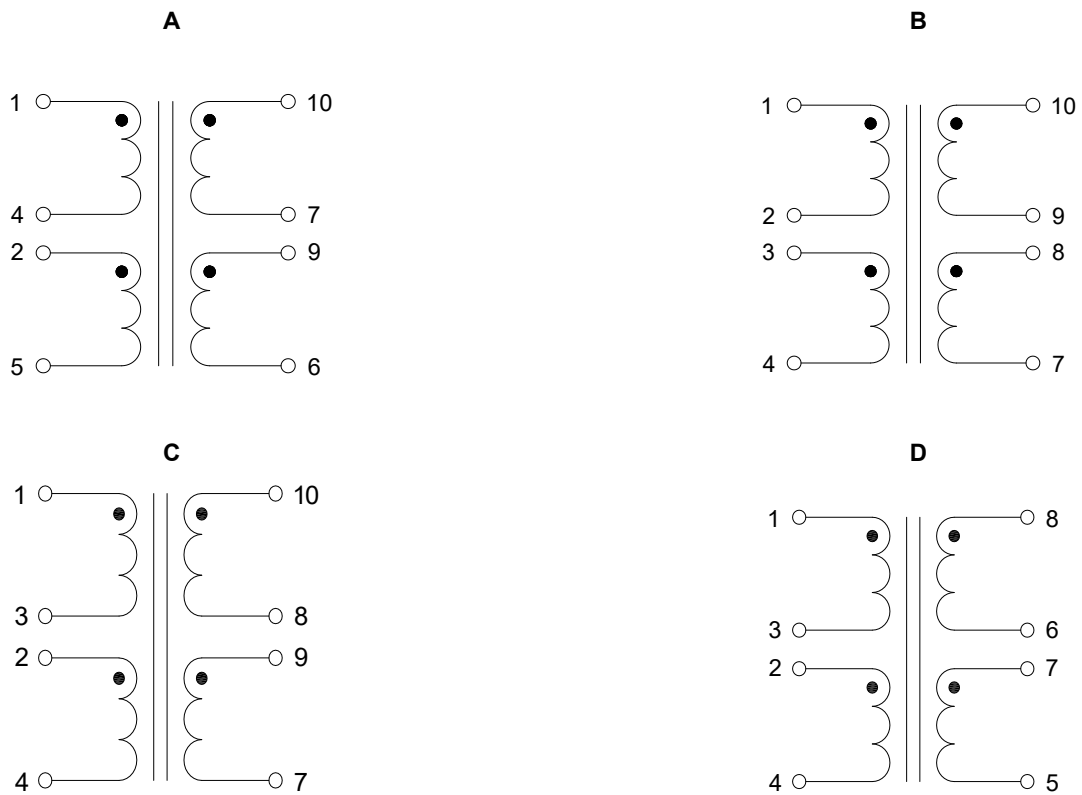
#2(EP-13)



DSL Applications - REALTEK

IC Number	LinkCom Part Number	Application	Location	Annex	6KV Surge	Schematic	Dimension
RTL-8271B/8186/8676	LAL2188-50	ADSL2+	CPE	A	No	A	#1
RTL-8685	LAL0525-51	VDSL2	CPE	A	No	B	#2
RL8685SF/PB/P	LAL0581-60	VDSL2	CPE	A	Yes	C	#3
RL8685SF/PB/P	LAL0582-60	VDSL2	CPE	A	Yes	C	#3
New design	LGT1702-61	G.Fast	CPE	A	No	D	#4

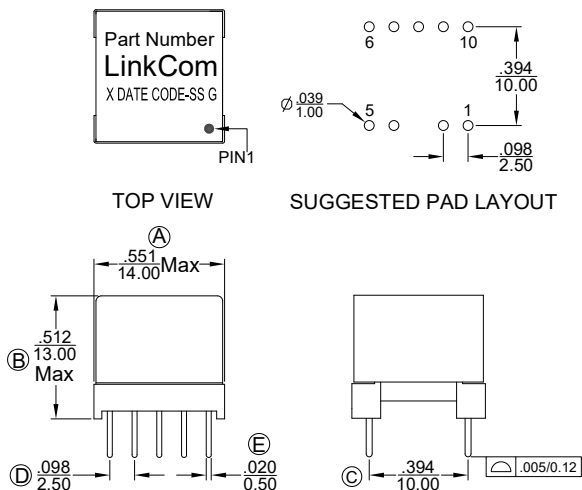
Schematics:



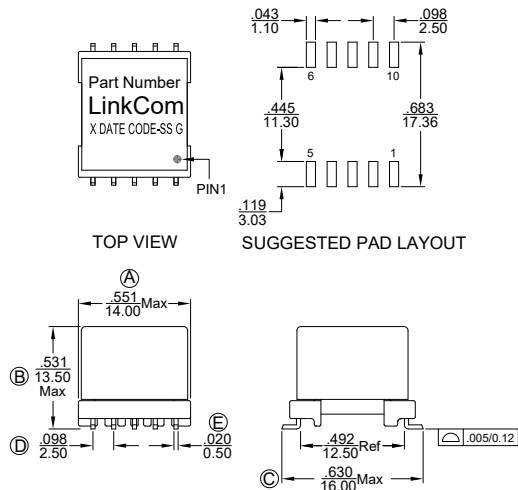
DSL Applications - REALTEK

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

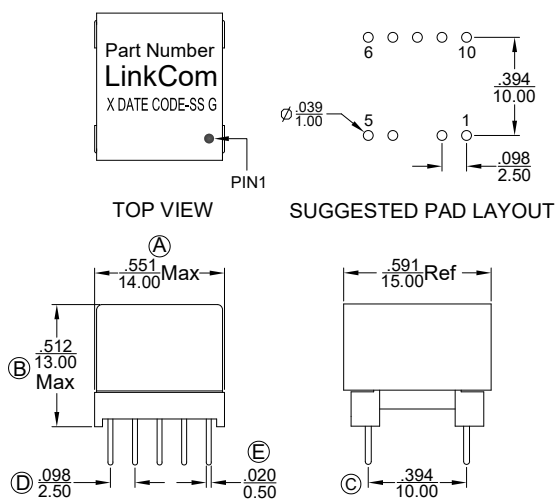
#1(EP-13)



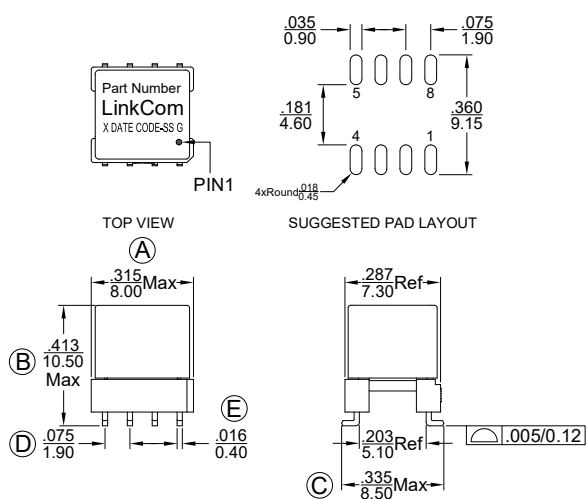
#2(EP-13)



#3(EP-13)



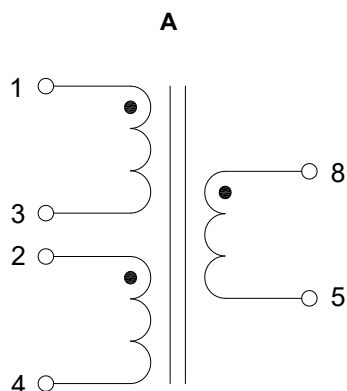
#4(EP-5.5)



DSL Applications - METANOIA

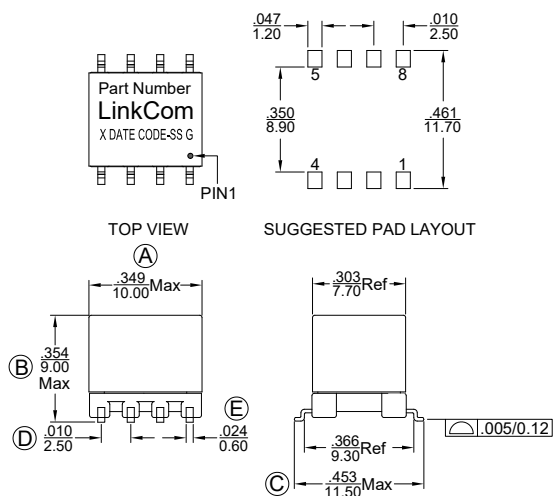
IC Number	LinkCom Part Number	Application	Location	Annex	6KV Surge	Schematic	Dimension
MT-V5311	LAL1037-61	ADSL2+/VDSL2	CO/CPE		Yes	A	#1

Schematics:



Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

#1(EP-7)





Common Mode Filters – HD9055 Series

- RoHS Compliant
- Operating Temperature -40°C to +85°C

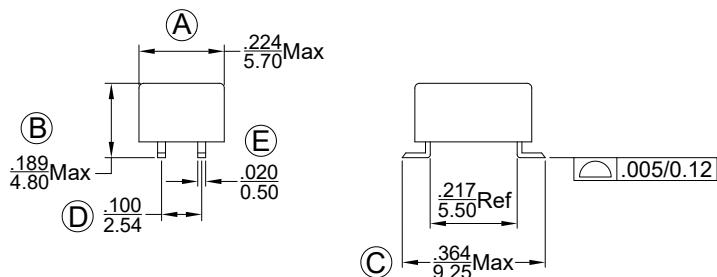
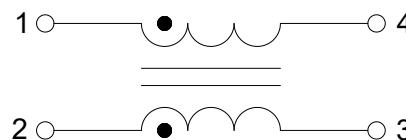
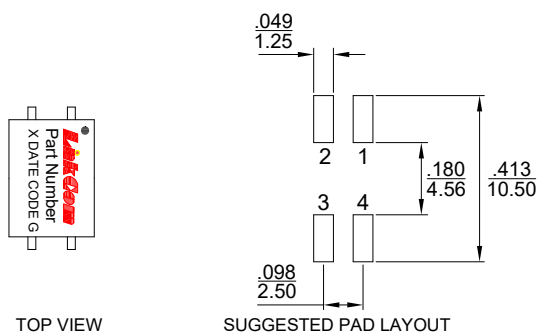
Electrical Specifications @25°C

Inductance (mH)	D.C.R. (mΩ, ref.)	Hi-POT (VAC/2s)	LinkCom Part Number	Winding Type
0.0050	23	500	LTC0290-50	Bifilar
0.0110	110	500	LTC0287-50	Bifilar
0.0138	28	500	LTC0567-50	Sectional
0.0250	68	500	LTC0291-50	Bifilar
0.0510	180	500	LTC0292-50	Bifilar
0.0510	90	500	LTC0551-50	Sectional
0.1000	190	500	LTC0293-50	Bifilar
0.4700	300	500	LTC0283-50	Bifilar
0.5000	150	500	LTC0370-50	Bifilar
0.6800	95	500	LTC0581-50	Bifilar
1.0000	120	500	LTC0285-50	Bifilar
2.2000	350	500	LTC0271-50	Bifilar
4.7000	650	500	LLF0097-50	Bifilar

Dimensions

Schematic

(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm\frac{.010}{0.25}$)

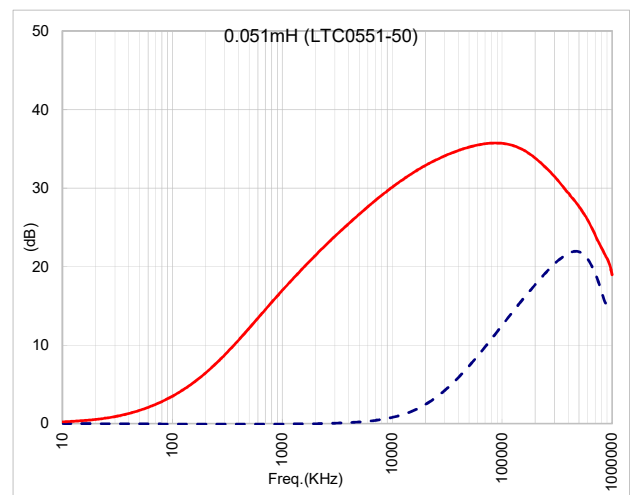
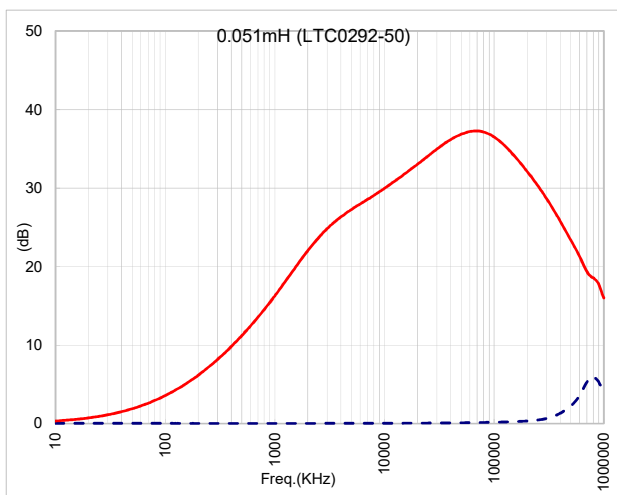
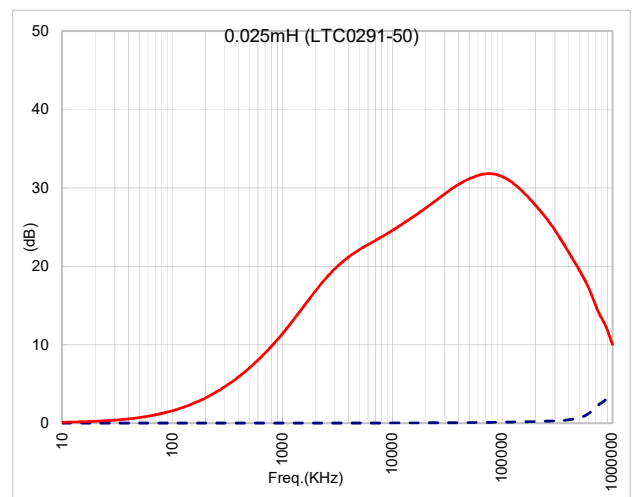
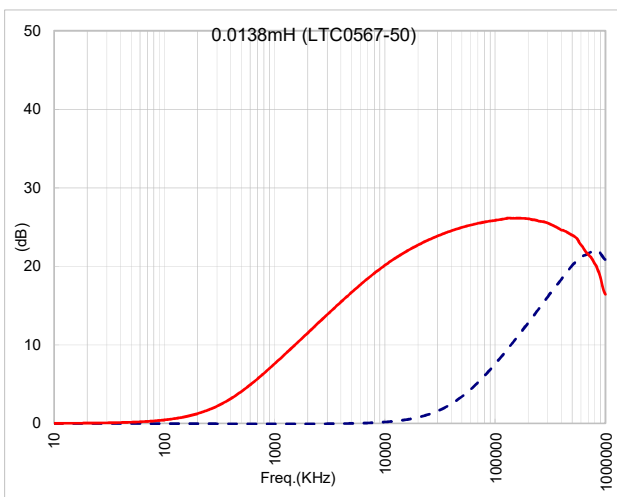
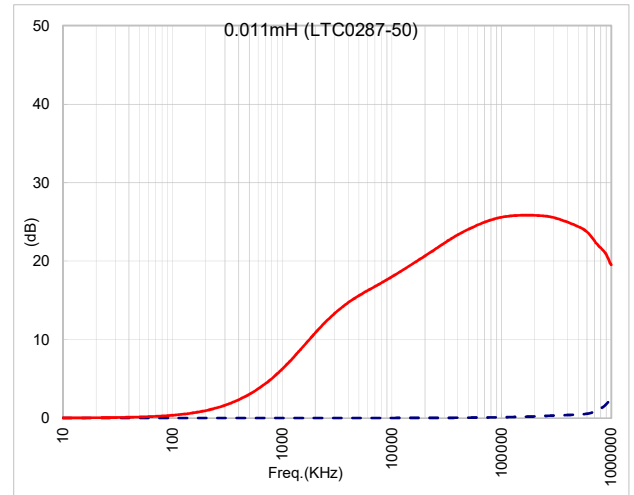
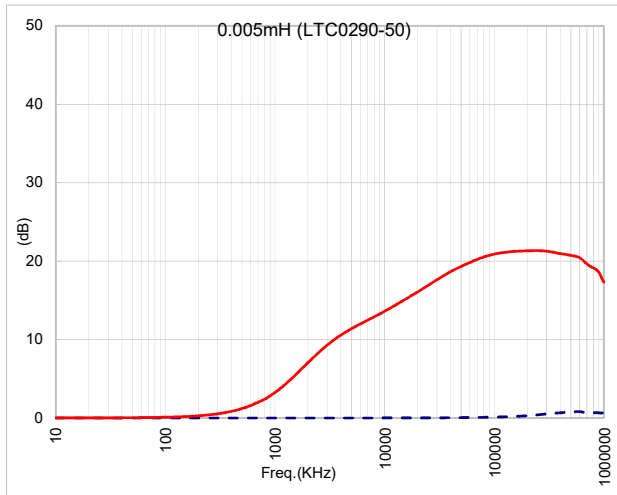




Common Mode Filters – HD9055 Series

Insertion loss

- Common mode
- - - Differential mode

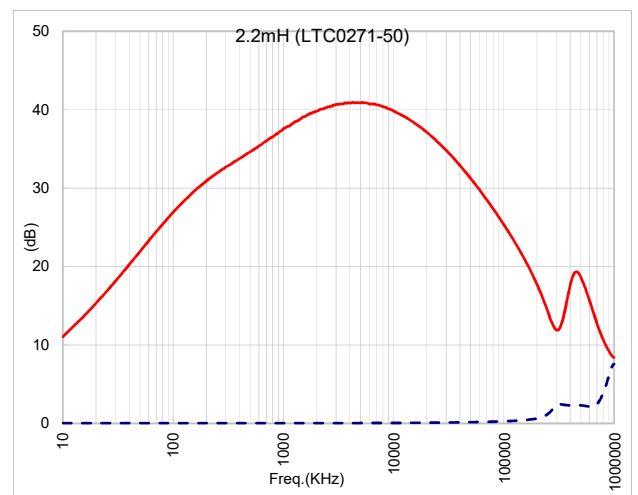
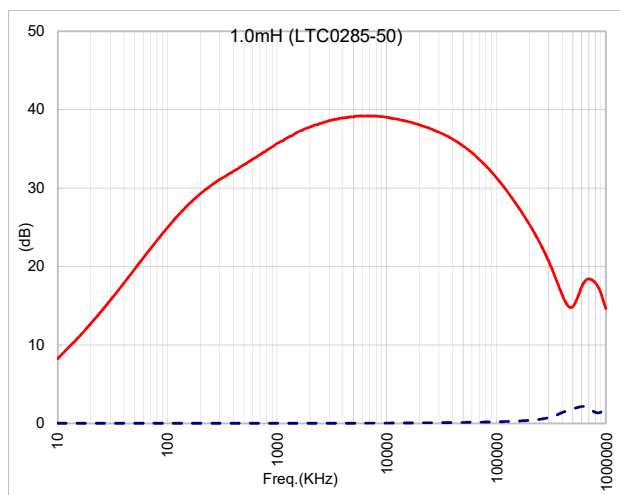
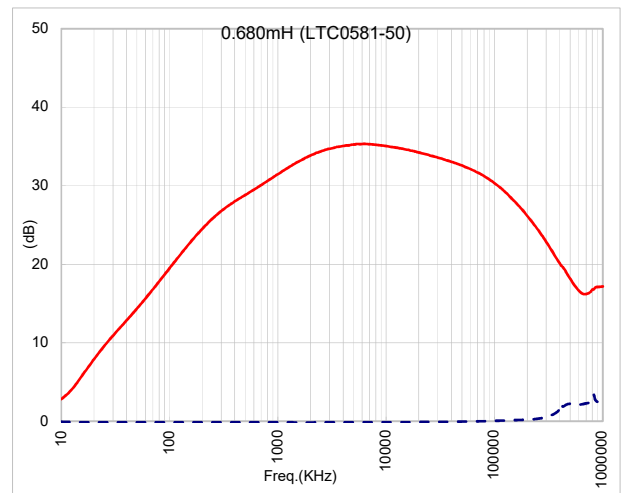
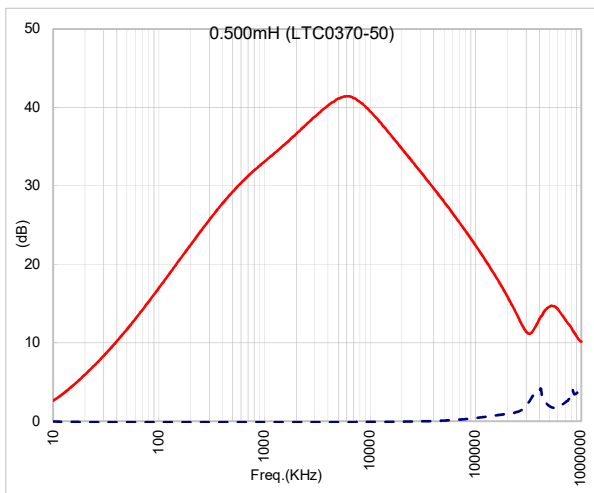
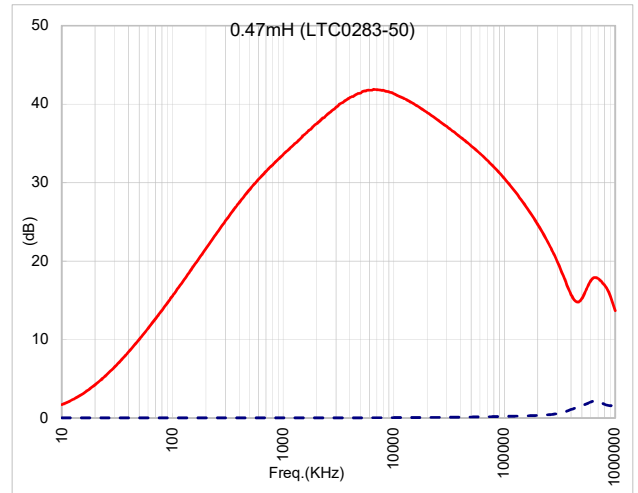
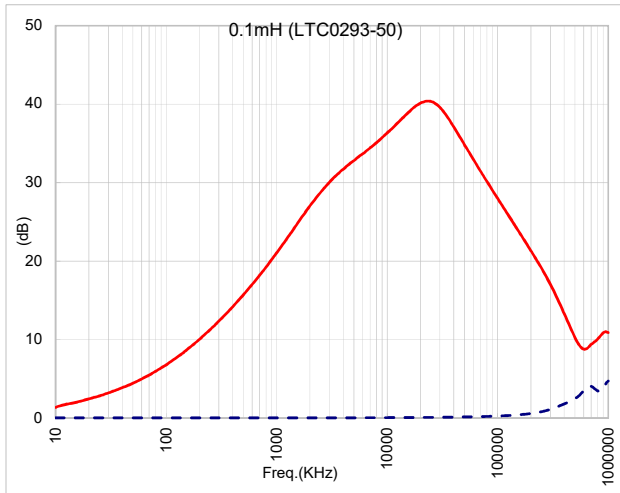




Common Mode Filters – HD9055 Series

Insertion loss

- Common mode
- - - Differential mode

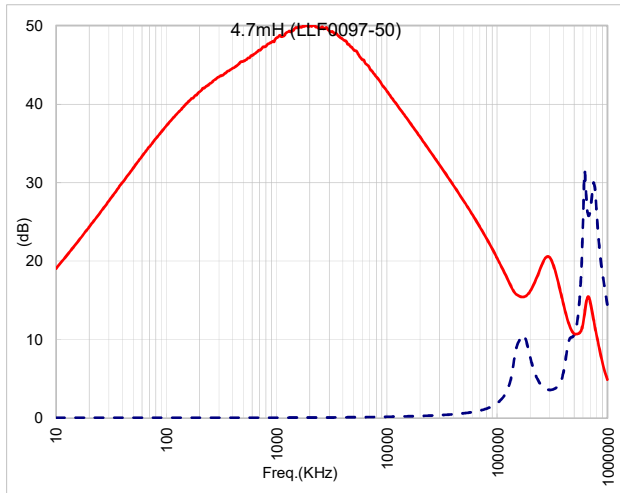




Common Mode Filters – HD9055 Series

Insertion loss

- Common mode
- - - Differential mode





Common Mode Filters – LCMF7060 Series

Features

- Designed for noise suppression at DC power lines.
- Low profile (H = 3.8mm).
- Small size.
- High rated current.
- Operating temperature: -40°C ~ 85°C.

Applications

- Power line equipment like DC-DC converters, battery chargers.
- Portable equipment like PDAs, laptops, printers.

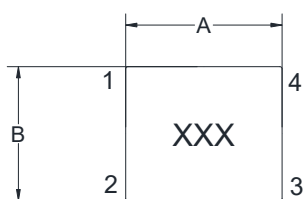
Product Identification

LCMF 7060 P1 - 800 - 2P
1 2 3 4 5

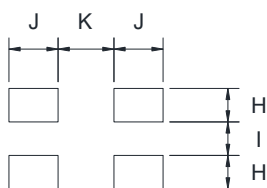
1. Series : LCMF= LinkCom Common Mode Filter
2. Dimension Code: 7.0mm x 6.0mm x 3.8mm
3. Shielding Type/Application P1=Power
4. Impedance Value 80Ω
5. Number of lines 2P=2-line

Dimension(mm)

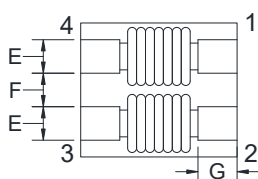
(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are $\pm \frac{0.25}{[.010]}$)



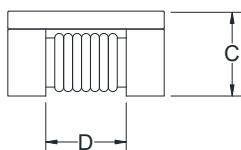
TOP VIEW



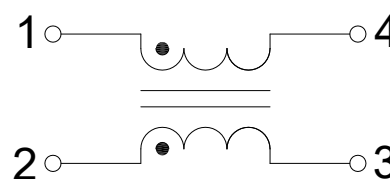
SUGGESTED PAD LAYOUT



BOTTOM VIEW



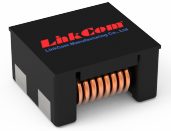
Schematic



Mark

XXX---- Impedance

A	$\frac{7.00 \pm 0.50}{[.276 \pm .019]}$	G	$\frac{1.70 \pm 0.20}{[.067 \pm .008]}$
B	$\frac{6.00 \pm 0.50}{[.236 \pm .019]}$	H	$\frac{1.50}{[.059]}$
C	$\frac{3.80 \text{ MAX}}{[.149 \text{ MAX}]}$	I	$\frac{1.50}{[.059]}$
D	$\frac{3.50 \text{ Typ}}{[.138 \text{ Typ.]}$	J	$\frac{2.20}{[.087]}$
E	$\frac{1.50 \pm 0.20}{[.059 \pm .008]}$	K	$\frac{2.50}{[.098]}$
F	$\frac{1.50 \pm 0.20}{[.059 \pm .008]}$		

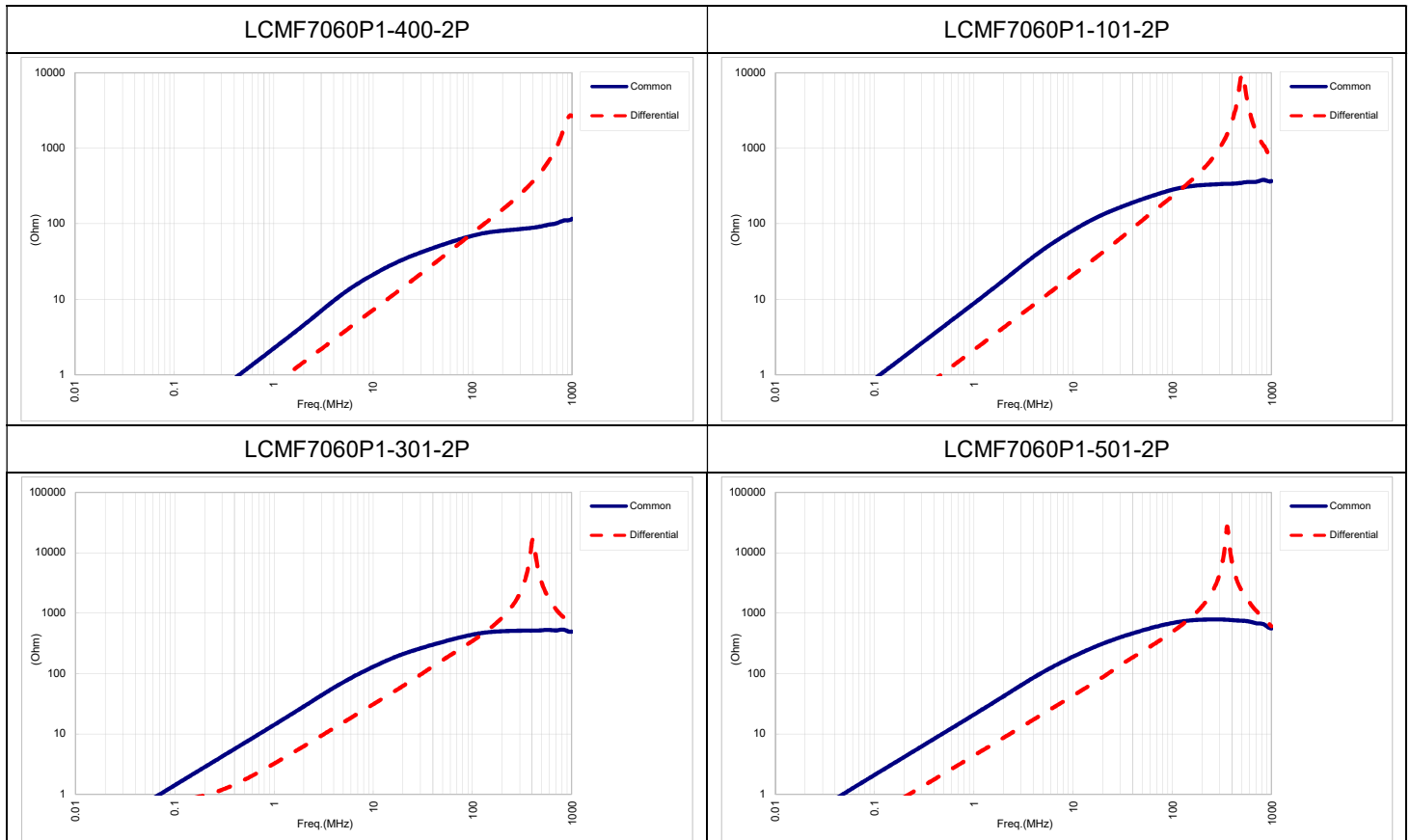


Common Mode Filters – LCMF7060 Series

Electrical Characteristics

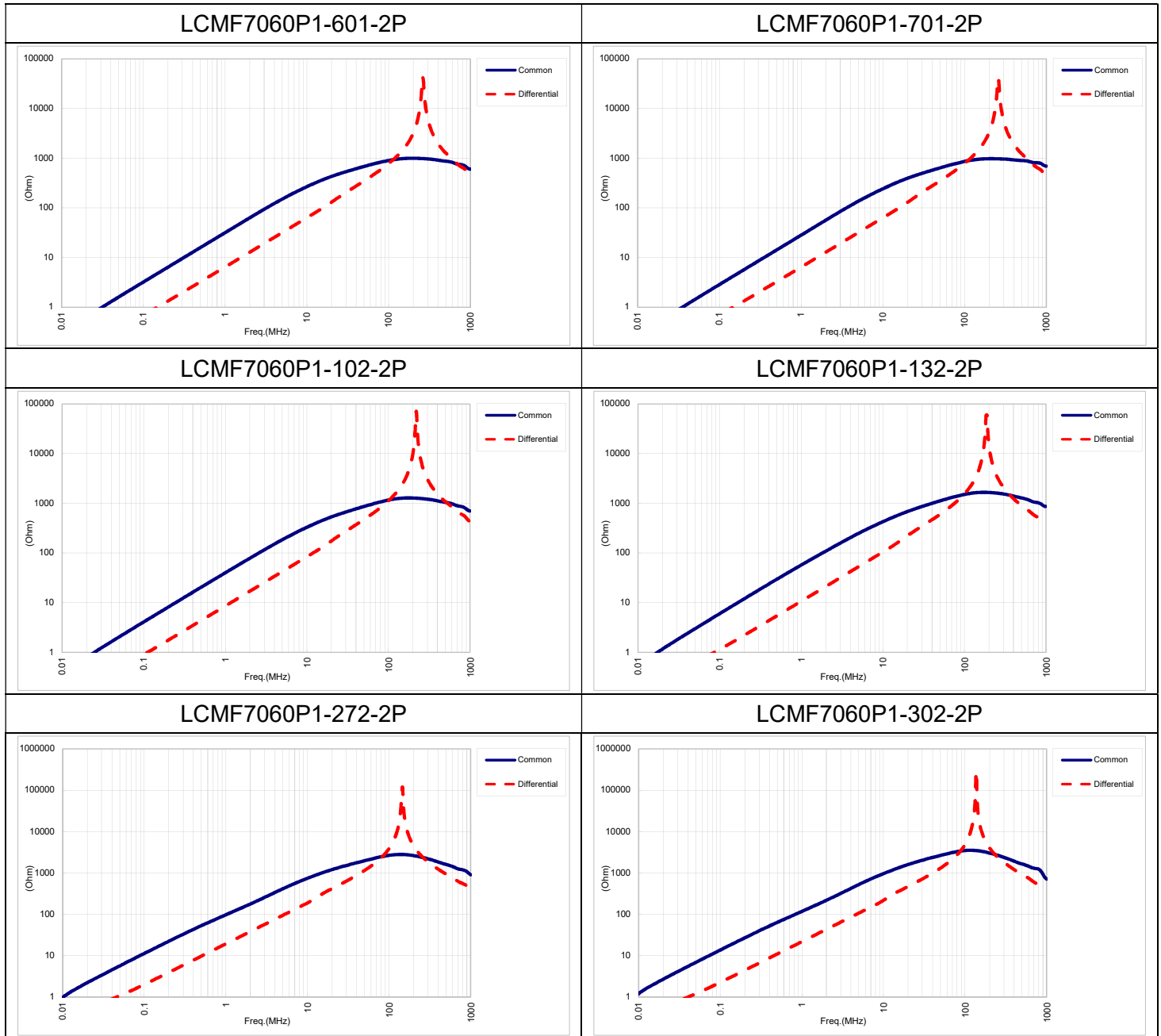
Part Number	Z(Ω) at 100MHz		D.C. Resistance (mΩ) Max.	Rated Current (A) Max.	Rated Voltage Vdc (V)	Insulation Resistance (MΩ) Min.	Mark
	Min.	Typ.					
LCMF7060P1-400-2P	40	70	5	15	80	10	400
LCMF7060P1-101-2P	100	140	10	9	80	10	101
LCMF7060P1-301-2P	225	300	10	5	80	10	301
LCMF7060P1-501-2P	275	350	10	5	80	10	501
LCMF7060P1-601-2P	500	700	15	4	80	10	601
LCMF7060P1-701-2P	500	700	15	4	80	10	701
LCMF7060P1-102-2P	800	1020	17	3	80	10	102
LCMF7060P1-132-2P	910	1300	21	2.5	80	10	132
LCMF7060P1-272-2P	2000	2700	63	1	80	10	272
LCMF7060P1-302-2P	2500	3000	75	0.9	80	10	302

Impedance





Common Mode Filters – LCMF7060 Series

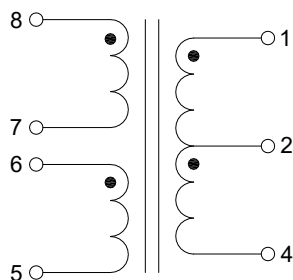


G.hn Applications - MAXLINEAR

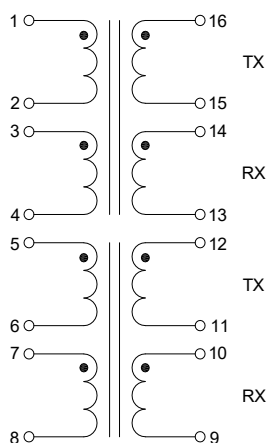
IC Number	LinkCom Part Number	Application	Specification	Schematic	Dimension
88LX5153(DSP) 88LX2730(AFE)	LTC0331-51	Wave-2 chipset / 200 MHz Coaxial/ phone line	15 μ H Min. 2CT(line):2(Rx):1(Tx)	A	#1
88LX5152(DSP) 88LX2720(AFE)	LTC0353-51	DW920 design / MIMO Wave-2 chipset	54 μ H Min. 3(line):3(Rx):1(Tx)	B	#2
88LX5152(DSP) 88LX2720(AFE)	LTC0502-50	DW920 design / SISO Wave-2 chipset	54 μ H Min. 3(line):3(Rx):1(Tx)	C	#1
88LX5152(DSP) 88LX2720(AFE)	LLF0131-51	CM choke for G.hn AC /DC power supply Coaxial/ phone line	47mH Min. 1:1	D	#3

Schematics:

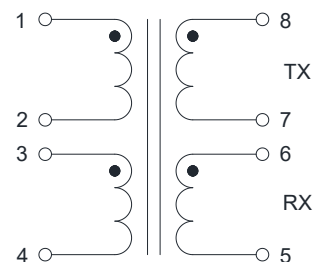
A



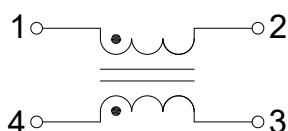
B



C



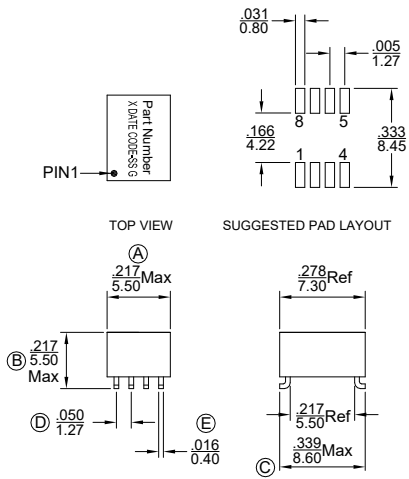
D



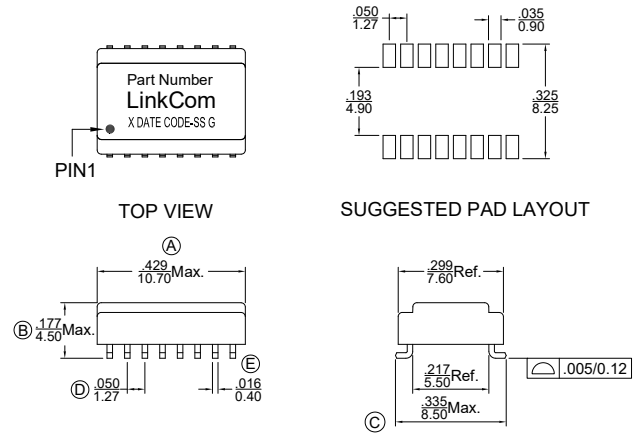
G.hn Applications - MAXLINEAR

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

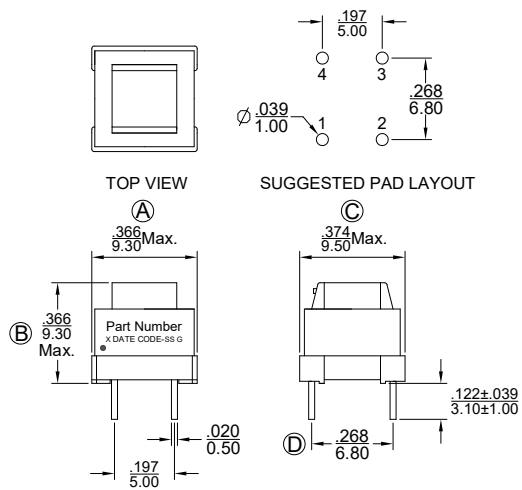
#1



#2



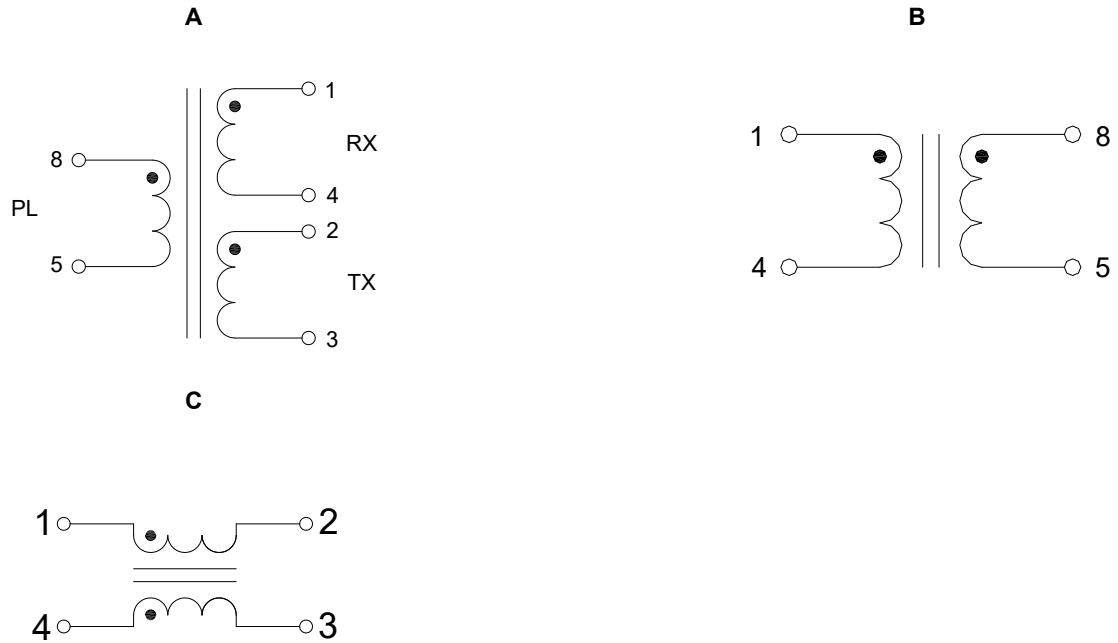
#3



HomePlug[®] - Applications Qualcomm

IC Number	LinkCom Part Number	Application	Specification	Schematic	Dimension
QCA7005	LTC0388-50	Coupling XFMR Home Plug Green PHY™ Electric Vehicle Charging	10uH Min. 1:1	A	#1
QCA7005	LTC0389-50	Coupling XFMR Home Plug Green PHY™ Electric Vehicle Charging	10uH Min. 1:1	B	#1
QCA7005	LTC0508-50	Coupling XFMR Home Plug Green PHY™ Reinforced insulation	10uH min. 1:1	B	#2
QCA75X0	LLF0133-50	Coupling XFMR Home Plug AV2	20mH, Min.; 1:1	C	#3

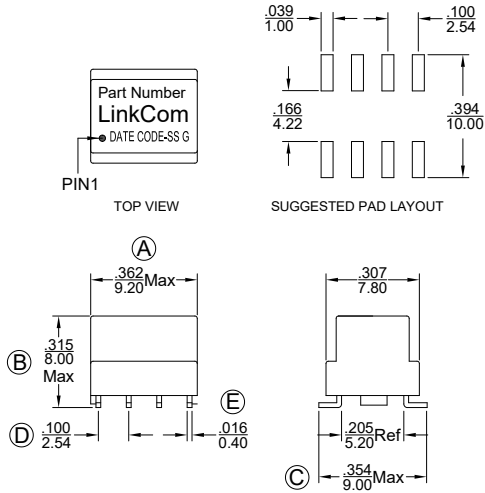
Schematics:



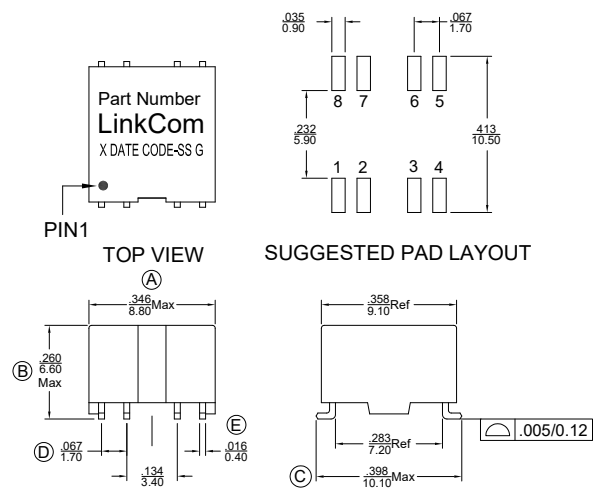
HomePlug[®] - Applications Qualcomm

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

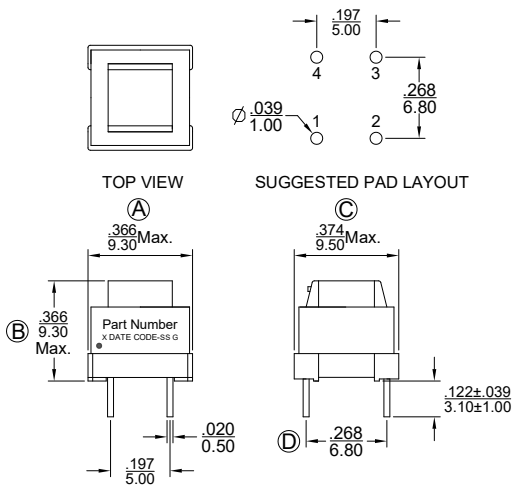
#1



#2



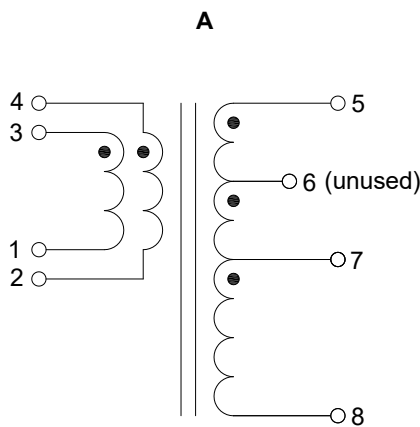
#3



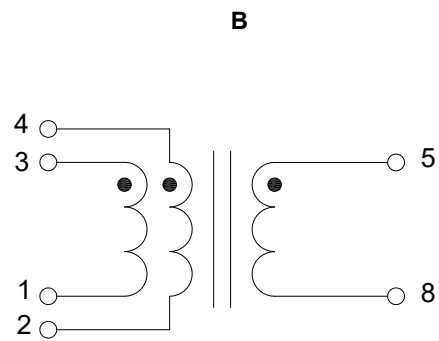
Voice band Applications - MICROCHIP

IC Number	LinkCom Part Number	Inductance (uH)	Turn Ratio	Schematic	Dimension
Le9632, Le9641, Le9643, Le9651, Le9652, Le9653,	LDT0898-50	2.0	5-8:3-2=10:1 7-8:3-2=3.5:1	A	#1
Le9672, ZL88701, ZL88702	LDT0993-52	2.0	5-8:3-2=10:1	B	#1

Schematics:

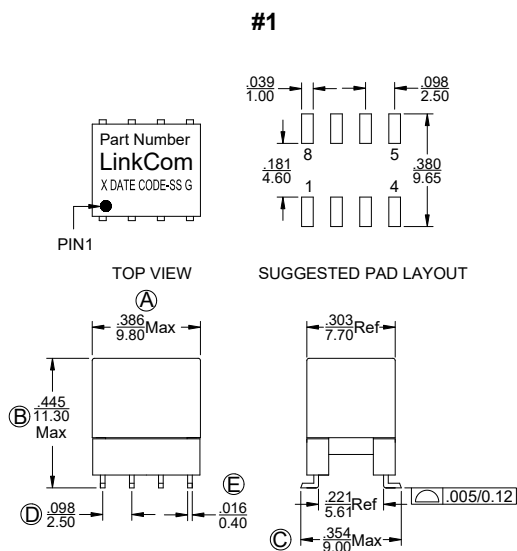


PIN1,2 and 3,4 must be connected on PCB



PIN1,2 and 3,4 must be connected on PCB

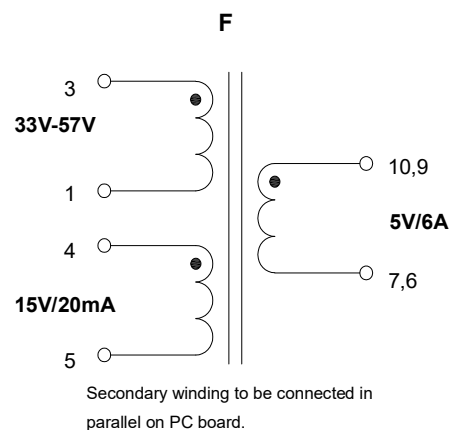
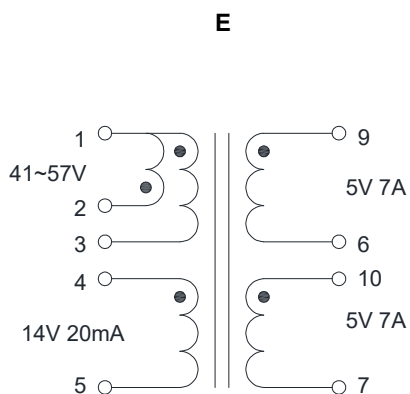
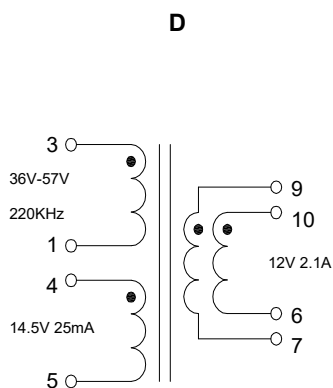
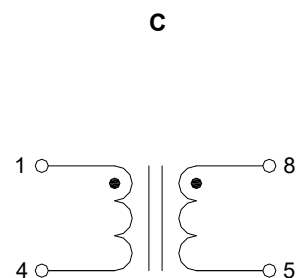
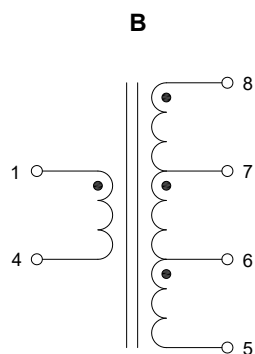
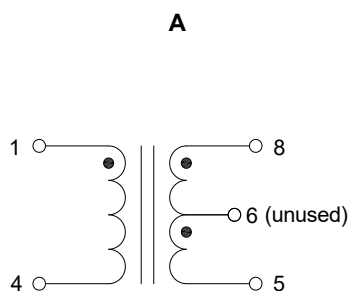
Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)



Voice band Applications - SKYWORKS

IC Number	LinkCom Part Number	Inductance (uH)	Schematic	Dimension
Si3217x, Si3226x	LDT0876-50	8.0	A	#1
Si3217x, Si3226x	LDT0887-50	8.0	B	#1
Si3217x, Si3226x (140V design)	LDT0905-50	2.0	C	#2

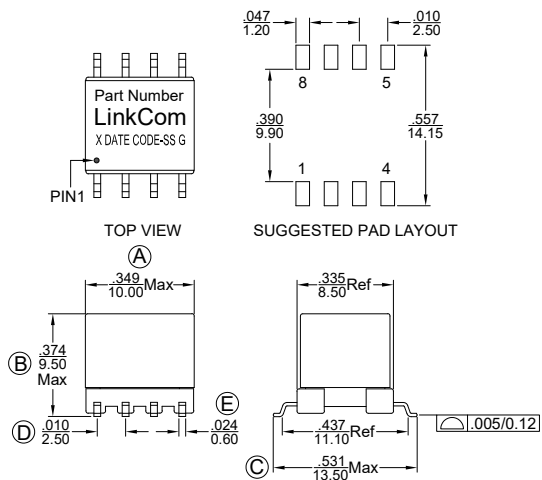
Schematics:



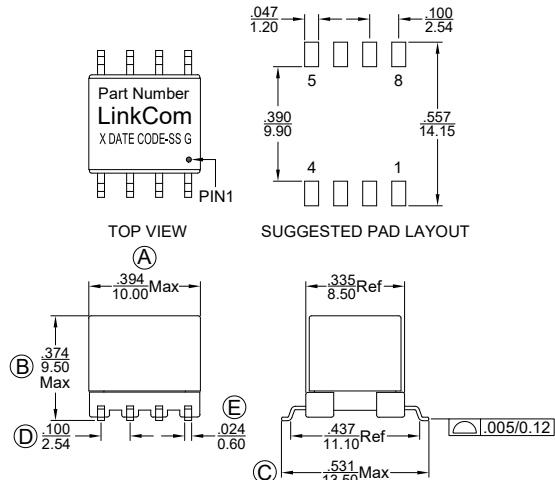
Voice band Applications - SKYWORKS

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

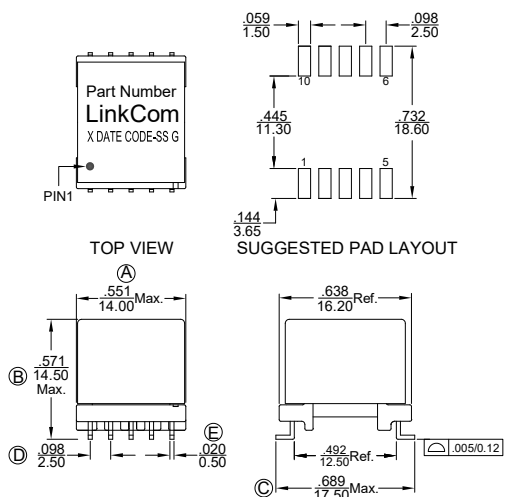
#1 (EP-7)



#2 (EP-7)



#3 (EP-13)

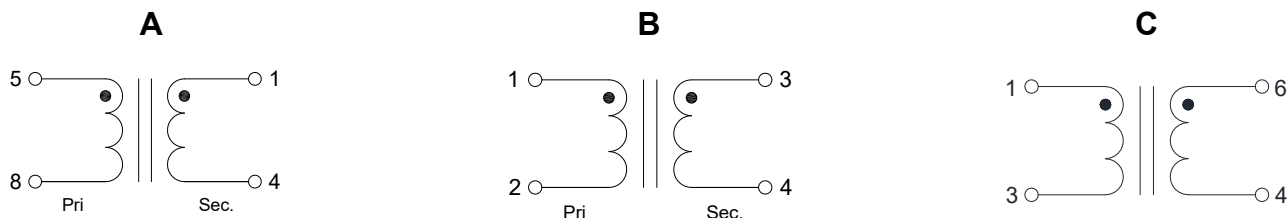


Gate-Drive Transformers

- 1500V_{DC} isolation between Gate and Drive
- Operating frequency: 50kHz and up

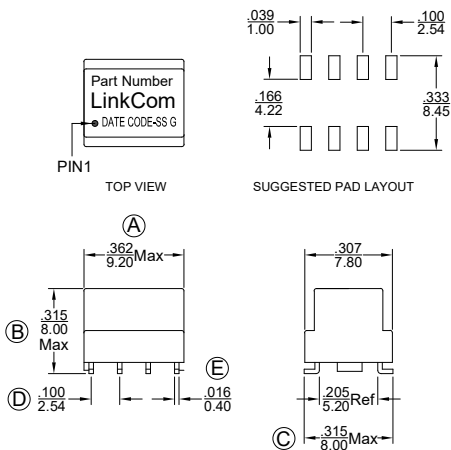
LinkCom Part No.	Turn Ratio	Primary inductance Min. (mH)	ET (V-usec)	Schematic	Package
LTC0266-50	1:1	1.000	27.2	A	#1
LTC0282-50	1:1	1.000	27.2	B	#2
LTC0557-50	1:1	0.785	9.7	C	#3
LTC0557-51	1:1	0.785	9.7	C	#4

Schematics:

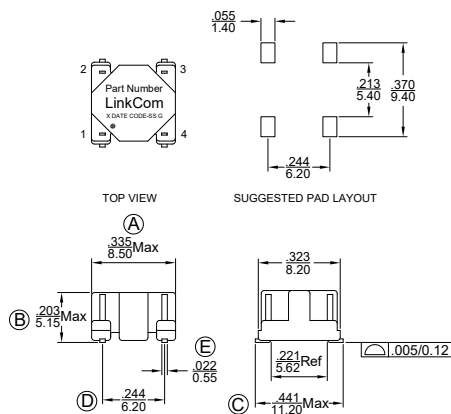


Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

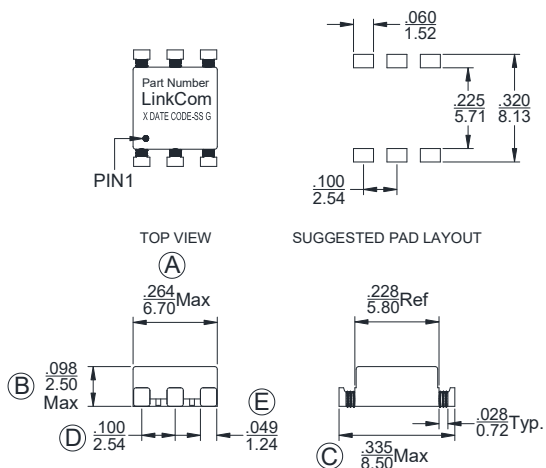
#1



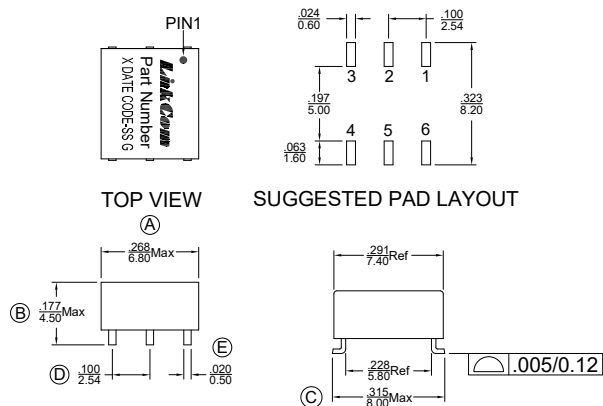
#2



#3



#4



Current Sense Transformers – EE5 Series

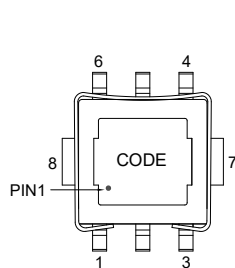
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- 500Vrms isolation between windings
- Frequency up to 1MHz
- 10A typical rated current on primary (up to 20A)

Electrical Specifications @25°C

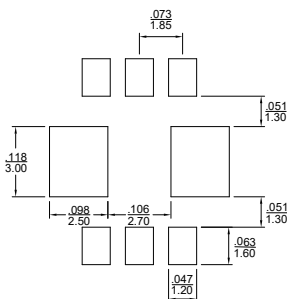
Part Number	Code	Turns Ratio Pri. : Sec.	Secondary Inductance Min.(μH)	DCR		Volt-time product on Sec. Max.(V-μsec)	Terminating Resistance (1VSec./20APri.) (Ω)
				Pri. Ref.(mΩ).	Sec. Max.(Ω)		
LCS0007-50	020	1:20	81	7	0.40	10.8	1.00
LCS0008-50	030	1:30	180	7	0.87	16.2	1.50
LCS0009-50	040	1:40	320	7	1.14	21.6	2.00
LCS0010-50	050	1:50	500	7	1.50	27.0	2.50
LCS0011-50	060	1:60	730	7	1.98	32.4	3.00
LCS0012-50	070	1:70	980	7	4.75	37.8	3.50
LCS0013-50	100	1:100	2000	7	5.50	54.0	5.00
LCS0015-50	125	1:125	3000	7	7.00	67.5	6.25

Dimensions

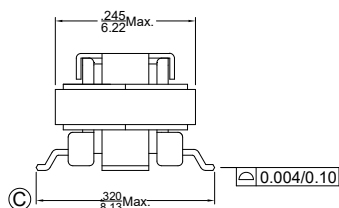
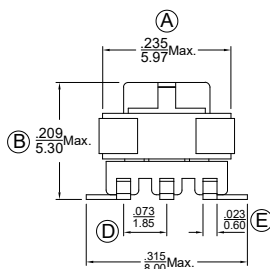
(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are ± 0.25)



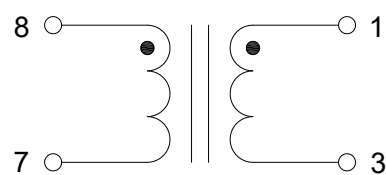
TOP VIEW



SUGGESTED PAD LAYOUT



Schematic



Mark

Code----Number of turns on secondary

Current Sense Transformers – EF12 Series

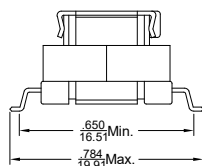
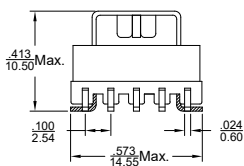
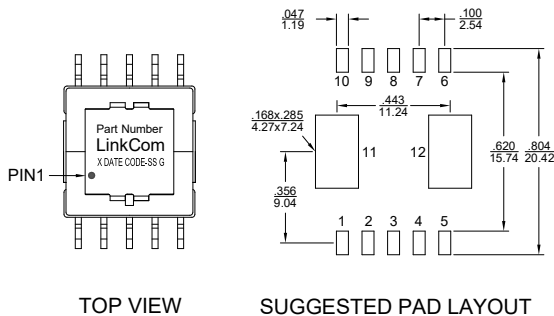
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- 500Vrms isolation between windings
- Frequency up to 1MHz
- Up to 40A of rated current on primary

Electrical Specifications @25°C

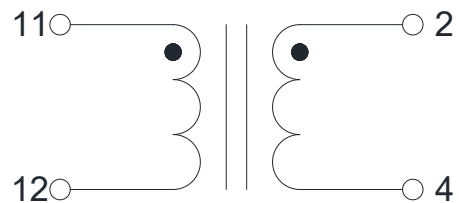
Part Number	Turns Ratio Pri. : Sec.	Secondary Inductance Min.(mH)	D.C.R.		Volt-time product on Sec. Max.(V-μsec)	Terminating Resistance (1VSec./40APri.) (Ω)
			Pri. Ref.(mΩ).	Sec. Max.(Ω)		
LCS0027-50	1:20	0.34	1	0.180	50.8	0.5
LCS0028-50	1:30	0.76	1	0.265	76.2	0.8
LCS0029-50	1:40	1.36	1	0.560	101.6	1.0
LCS0030-50	1:50	2.12	1	0.705	127.0	1.3
LCS0031-50	1:60	3.06	1	0.850	152.4	1.5
LCS0032-50	1:70	4.16	1	1.00	177.8	1.8
LCS0033-50	1:80	5.44	1	1.15	203.2	2.0
LCS0035-50	1:100	8.50	1	1.45	254.0	2.5
LCS0036-50	1:125	13.3	1	1.85	317.5	3.1
LCS0037-50	1:150	19.2	1	2.25	381.0	3.8
LCS0038-50	1:200	34.0	1	4.06	508.0	5.0

Dimensions

(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$)

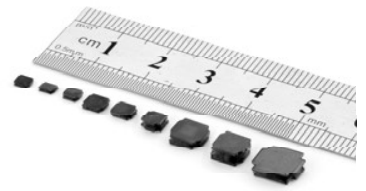


Schematic



Mark

1. Part Number----LCSxxxx
2. X----PRODUCT LINE OR BLANK
3. DATE CODE----YYWW
4. SS----50 OR BLANK
5. G----RoHS



SMD Power Inductors

Features:

- Applicable at high frequency up to 1MHz
- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on ferrite core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI).
- 30% higher Current rating than conventional inductors of equal size.
- RoHS compliant.
- Operating Temperature Range -40°C ~ +125°C (Including self-heating)

Applications:

- LED Lighting
- Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone
- Notebooks, desktop computers, servers, graphic cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Telecomm base stations
- DC/DC converters

Product Identification:

①	②	③		④	⑤	⑥		⑦
LNR	2510A	A	-	1R0	M	R	-	02

①	Type
LNR	Power inductors

③	Electrical specification Code
A	A Type
B	B Type

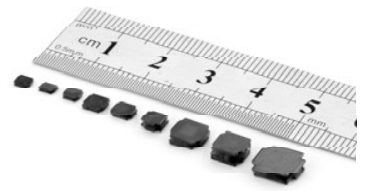
②	(L×W×H) [mm] External Dimensions
2510A	2.5x2.1x1.0
2512A	2.5x2.1x1.2
3010A	3.0x3.0x1.05
3015A	3.0x3.0x1.5
4012A	4.0x4.0x1.2
4018A	4.0x4.0x1.8
5020A	5.0x5.0x2.0
5040A	5.0x5.0x4.0
6020A	6.0x6.0x2.0
6028A	6.0x6.0x2.8
6045A	6.0x6.0x4.5
8040A	8.0x8.0x4.0

④	Nominal Inductance
1R0	1.0μH
100	10.0μH

⑤	Inductance Tolerance
K	±10%
M	±20%
N	±30%

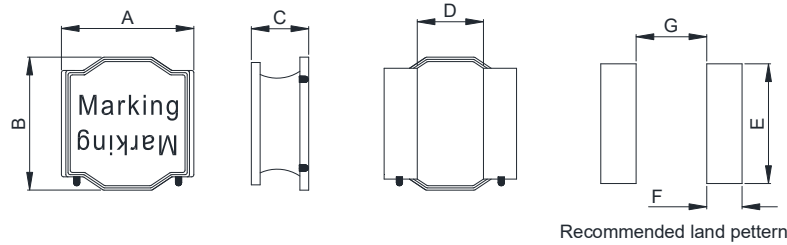
⑥	Packing
Standard	Tape Reel Package

⑦	Internal code
01	
02	



SMD Power Inductors

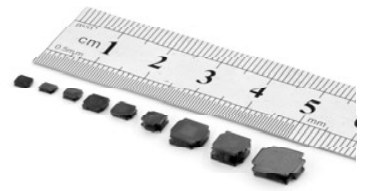
Shape And Dimensions [Unit: mm]



Series	A	B	C	D	E (Ref.)	F (Ref.)	G (Ref.)
LNR2510AA	2.5±0.25	2.1±0.25	1.0 Max.	0.9	2.2	0.95	0.8
LNR2512AA	2.5±0.25	2.1±0.25	1.2 Max.	0.9	2.2	0.95	0.8
LNR3010AA	3.0±0.2	3.0±0.2	1.05 Max.	1.0	2.7	0.8	1.4
LNR3015AA	3.0±0.2	3.0±0.2	1.5 Max.	1.0	2.7	0.8	1.4
LNR4012AA	4.0±0.2	4.0±0.2	1.2+0.1/-0.15	1.4	3.7	1.2	1.6
LNR4018AA	4.0±0.2	4.0±0.2	1.8±0.2	1.4	3.7	1.2	1.6
LNR5020AA	5.0±0.2	5.0±0.2	2.0±0.2	2.0	4.7	1.4	2.4
LNR5040AA	5.0±0.2	5.0±0.2	4.0±0.2	2.0	4.7	1.4	2.4
LNR6020AA	6.0±0.2	6.0±0.2	2.0±0.2	2.7	5.7	1.6	3.1
LNR6028AA	6.0±0.2	6.0±0.2	2.8±0.2	2.7	5.7	1.6	3.1
LNR6045AA	6.0±0.2	6.0±0.2	4.5+0.2/-0.3	2.7	5.7	1.6	3.1
LNR8040AA	8.0±0.2	8.0±0.2	4.0+0.2/-0.3	3.9±0.2	7.7	2.3	3.8

Electrical Characteristics

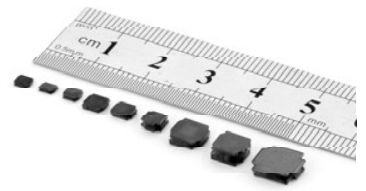
LNR2510AA Series						
P/N	Inductance (μH)	Test Freq. (MHz)	Tolerance (±%)	DCR (mΩ) (Max)	Isat (Max)	Idc (Max)
LNR2510A A-R33MR-02	0.33	1.0	20	39	5.50	4.00
LNR2510A A-R47MR-02	0.47	1.0	20	45	5.20	3.60
LNR2510A A-R68MR-02	0.68	1.0	20	59	3.60	3.00
LNR2510A A-1R0MR-02	1.0	1.0	20	76	3.50	2.70
LNR2510A A-1R5MR-02	1.5	1.0	20	100	3.00	2.05
LNR2510A A-2R2MR-02	2.2	1.0	20	135	2.40	1.90
LNR2510A A-3R3MR-02	3.3	1.0	20	235	1.80	1.50
LNR2510A A-4R7MR-02	4.7	1.0	20	276	1.50	1.30
LNR2510A A-6R8MR-02	6.8	1.0	20	416	1.30	1.12
LNR2510A A-100MR-02	10	1.0	20	500	1.20	0.95
LNR2510A A-220MR-02	22	1.0	20	1300	0.80	0.65



SMD Power Inductors

LNR2512AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) (Max)	Isat (Max)	Idc (Max)
LNR2512AA-R33MR-02	0.33	1.0	20	30	6.20	4.00
LNR2512AA-R47MR-02	0.47	1.0	20	35	5.60	4.00
LNR2512AA-R68MR-02	0.68	1.0	20	43	5.50	3.40
LNR2512AA-1R0MR-02	1.0	1.0	20	64	4.40	3.00
LNR2512AA-1R5MR-02	1.5	1.0	20	85	3.60	2.53
LNR2512AA-2R2MR-02	2.2	1.0	20	120	3.00	2.18
LNR2512AA-3R3MR-02	3.3	1.0	20	163	2.10	1.75
LNR2512AA-4R7MR-02	4.7	1.0	20	260	1.90	1.31
LNR2512AA-6R8MR-02	6.8	1.0	20	366	1.50	1.15
LNR2512AA-100MR-02	10	1.0	20	480	1.25	0.99
LNR2512AA-150MR-02	15	1.0	20	774	1.05	0.77
LNR2512AA-220MR-02	22	1.0	20	1210	0.80	0.65

LNR3010AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR3010AA-1R5NR-02	1.5	1.0	30	85	1.62	1.53
LNR3010AA-2R2NR-02	2.2	1.0	30	100	1.35	1.26
LNR3010AA-3R3NR-02	3.3	1.0	30	165	1.08	0.99
LNR3010AA-4R7NR-02	4.7	1.0	30	205	0.90	0.85
LNR3010AA-6R8MR-02	6.8	1.0	20	310	0.78	0.76
LNR3010AA-100MR-02	10	1.0	20	430	0.57	0.56
LNR3010AA-150MR-02	15	1.0	20	625	0.50	0.49
LNR3010AA-220MR-02	22	1.0	20	1095	0.42	0.41

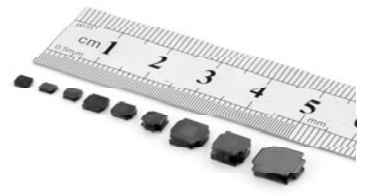


SMD Power Inductors

LNR3015AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR3015AA-R47NR-02	0.47	1.0	30	36	4.23	3.60
LNR3015AA-1R0NR-02	1.0	1.0	30	54	3.06	2.70
LNR3015AA-1R5NR-02	1.5	1.0	30	63	2.70	2.34
LNR3015AA-2R2NR-02	2.2	1.0	30	90	2.07	1.80
LNR3015AA-3R3NR-02	3.3	1.0	30	125	1.71	1.62
LNR3015AA-4R7NR-02	4.7	1.0	30	170	1.42	1.36
LNR3015AA-6R8MR-02	6.8	1.0	20	235	1.20	1.17
LNR3015AA-100MR-02	10	1.0	20	360	0.95	0.90
LNR3015AA-150MR-02	15	1.0	20	550	0.81	0.72
LNR3015AA-220MR-02	22	1.0	20	770	0.68	0.58

LNR4012AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR4012AA-1R0NR-02	1.0	1.0	30	40	2.61	2.7
LNR4012AA-1R5NR-02	1.5	1.0	30	51	2.07	2.25
LNR4012AA-2R2NR-02	2.2	1.0	30	68	1.71	2.07
LNR4012AA-3R3NR-02	3.3	1.0	30	75	1.36	1.89
LNR4012AA-4R7NR-02	4.7	1.0	30	110	1.18	1.62
LNR4012AA-6R8MR-02	6.8	1.0	20	165	0.97	1.35
LNR4012AA-100MR-02	10	1.0	20	225	0.81	1.08

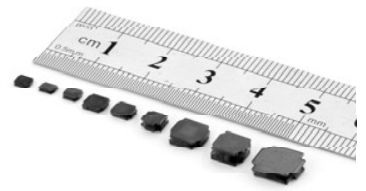
LNR4018AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR4018AA-1R0NR-02	1.0	1.0	30	26.5	3.78	3.42
LNR4018AA-1R5NR-02	1.5	1.0	30	37	3.15	2.88
LNR4018AA-2R2NR-02	2.2	1.0	30	47	2.70	2.43
LNR4018AA-3R3NR-02	3.3	1.0	30	62.5	2.07	1.89
LNR4018AA-4R7NR-02	4.7	1.0	30	80	1.80	1.62
LNR4018AA-6R8MR-02	6.8	1.0	20	115	1.35	1.21
LNR4018AA-100MR-02	10	1.0	20	185	1.26	1.08



SMD Power Inductors

LNR5020AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR5020AA-1R0NR-02	1.0	1.0	30	18	5.40	3.69
LNR5020AA-1R5NR-02	1.5	1.0	30	23	4.41	3.15
LNR5020AA-2R2NR-02	2.2	1.0	30	30	3.60	2.97
LNR5020AA-3R3NR-02	3.3	1.0	30	50	2.70	2.50
LNR5020AA-4R7NR-02	4.7	1.0	30	60	2.43	1.98
LNR5020AA-6R8MR-02	6.8	1.0	20	93	1.98	1.62
LNR5020AA-100MR-02	10	1.0	20	125	1.62	1.44
LNR5020AA-150MR-02	15	1.0	20	195	1.26	1.08
LNR5020AA-220MR-02	22	1.0	20	265	1.08	0.90

LNR5040AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR5040AA-1R0NR-02	1.0	1.0	30	12	7.92	5.31
LNR5040AA-1R5NR-02	1.5	1.0	30	14	7.11	4.86
LNR5040AA-2R2NR-02	2.2	1.0	30	20	6.12	4.05
LNR5040AA-3R3NR-02	3.3	1.0	30	26	4.77	3.78
LNR5040AA-4R7NR-02	4.7	1.0	30	32	3.96	2.88
LNR5040AA-6R8MR-02	6.8	1.0	20	50	3.42	2.7
LNR5040AA-100MR-02	10	1.0	20	70	2.70	2.07
LNR5040AA-150MR-02	15	1.0	20	115	2.16	1.62
LNR5040AA-220MR-02	22	1.0	20	160	1.80	1.44

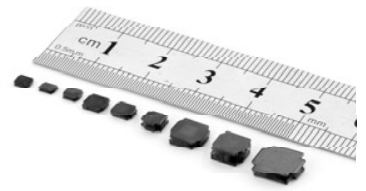


SMD Power Inductors

LNR6020AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR6020AA-1R0NR-02	1.0	1.0	30	19	5.76	3.78
LNR6020AA-1R5NR-02	1.5	1.0	30	26	4.86	3.33
LNR6020AA-2R2NR-02	2.2	1.0	30	34	4.05	2.97
LNR6020AA-3R3NR-02	3.3	1.0	30	45	3.24	2.52
LNR6020AA-4R7NR-02	4.7	1.0	30	58	2.70	2.07
LNR6020AA-6R8MR-02	6.8	1.0	20	85	2.34	1.71
LNR6020AA-100MR-02	10	1.0	20	130	1.89	1.44
LNR6020AA-150MR-02	15	1.0	20	195	1.44	1.17
LNR6020AA-220MR-02	22	1.0	20	260	1.17	0.99

LNR6028AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR6028AA-1R0NR-02	1.0	1.0	30	12	7.11	5.67
LNR6028AA-1R5NR-02	1.5	1.0	30	15	6.30	4.95
LNR6028AA-2R2NR-02	2.2	1.0	30	20	5.40	4.50
LNR6028AA-3R3NR-02	3.3	1.0	30	27	4.05	3.60
LNR6028AA-4R7NR-02	4.7	1.0	30	36	3.60	3.06
LNR6028AA-6R8MR-02	6.8	1.0	20	48	2.88	2.70
LNR6028AA-100MR-02	10	1.0	20	65	2.34	2.25
LNR6028AA-150MR-02	15	1.0	20	93	1.89	1.80
LNR6028AA-220MR-02	22	1.0	20	135	1.53	1.48

LNR6045AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR6045AA-1R5NR-02	1.5	1.0	30	12	10.80	5.94
LNR6045AA-2R2NR-02	2.2	1.0	30	18	8.55	4.68
LNR6045AA-3R3NR-02	3.3	1.0	30	22	7.02	3.96
LNR6045AA-4R7NR-02	4.7	1.0	30	30	6.12	3.6
LNR6045AA-6R8MR-02	6.8	1.0	20	42	5.13	2.97
LNR6045AA-100MR-02	10	1.0	20	60	4.14	2.34
LNR6045AA-150MR-02	15	1.0	20	90	3.42	1.98
LNR6045AA-220MR-02	22	1.0	20	130	2.97	1.71



SMD Power Inductors

LNR8040AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LNR8040AA-1R0NR-02	1.0	1.0	30	7.5	12.15	7.29
LNR8040AA-1R5NR-02	1.5	1.0	30	9.7	9.45	6.93
LNR8040AA-2R2NR-02	2.2	1.0	30	12	8.73	6.48
LNR8040AA-3R3NR-02	3.3	1.0	30	17	7.20	5.31
LNR8040AA-4R7NR-02	4.7	1.0	30	20	6.12	4.95
LNR8040AA-6R8MR-02	6.8	1.0	20	29	5.22	4.41
LNR8040AA-100MR-02	10	1.0	20	38	4.50	3.42
LNR8040AA-150MR-02	15	1.0	20	57	3.60	2.88
LNR8040AA-220MR-02	22	1.0	20	82	3.06	2.43

NOTE :

- ⊙ Testing frequency: 1MHz/1V
- ⊙ All test Data is referenced to 20°C ambient
- ⊙ Typical Heat Rating DC Current (Idc) would cause NR approximately Δ T of 40°C
- ⊙ Typical Saturation DC Current (Isat) would cause open load inductance to drop approximately 30%



Molding Power Inductors

Features:

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on ferrite core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI).
- Applicable at high frequency up to 750kHz.
- RoHS compliant.
- Operating Temperature Range -40°C ~ +125°C (Including self-heating)

Applications:

- LED Lighting
- Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone
- Notebooks, desktop computers, servers, graphic cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Telecomm base stations
- VRM for server

Product Identification:

①	②	③		④	⑤	⑥		⑦
LML	0412A	A	-	1R0	M	R	-	02

①	Type
LML	Molding Power inductors

②	(L×W×H) [mm] External Dimensions
0420A	4.1x4.6x2.0
0530A	5.2x5.4x2.8
0612A	6.6x7.1x1.0
0618A	6.6x7.1x1.6
0624A	6.6x7.1x2.4
0630A	6.6x7.1x3.0

③	Electrical specification Code
A	A Type
B	B Type

④	Nominal Inductance
1R0	1.0μH
100	10.0μH

⑤	Inductance Tolerance
K	±10%
M	±20%
N	±30%

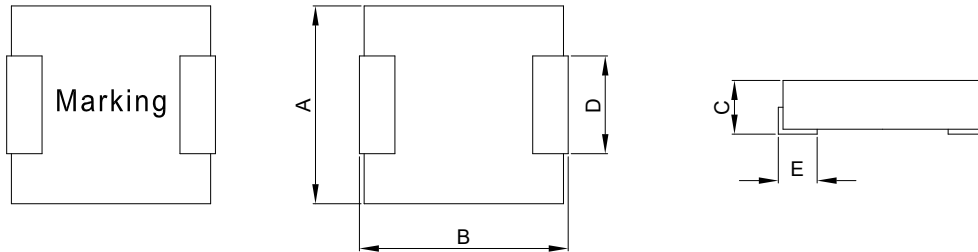
⑥	Packing
Standard	Tape Reel Package

⑦	Internal code
01	
02	



Molding Power Inductors

Shape And Dimensions [Unit: mm]



Series	A	B	C	D	E
LML0420AA	4.1±0.2	4.6±0.2	2.0 Max.	1.5±0.3	1.0±0.5
LML0530AA	5.2±0.2	5.4±0.3	2.8±0.2	2.2±0.3	1.2±0.2
LML0612AA	6.6±0.2	7.1±0.2	1.0±0.2	2.9±0.1	1.8±0.3
LML0618AA	6.6±0.2	7.1±0.3	1.6±0.2	3.0±0.3	1.6±0.5
LML0624AA	6.6±0.2	7.1±0.3	2.4 Max.	3.0±0.3	1.6±0.5
LML0630AA	6.6±0.2	7.1±0.3	3.0 Max.	3.0±0.3	1.6±0.5

Electrical Characteristics

LML0420AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LML0420AA-R10MR-02	0.10	100	20	4.0	27.0	13.0
LML0420AA-R22MR-02	0.22	100	20	6.6	21.0	9.5
LML0420AA-R47MR-02	0.47	100	20	14.0	11.0	7.5
LML0420AA-R56MR-02	0.56	100	20	16.0	11.0	7.0
LML0420AA-R68MR-02	0.68	100	20	18.0	8.6	7.0
LML0420AA-1R0MR-02	1.0	100	20	27.0	7.0	4.5
LML0420AA-1R2MR-02	1.2	100	20	27.0	6.5	4.5
LML0420AA-1R5MR-02	1.5	100	20	46.0	6.0	4.0
LML0420AA-2R2MR-02	2.2	100	20	58.0	5.0	3.0
LML0420AA-3R3MR-02	3.3	100	20	87.0	4.0	2.5
LML0420AA-4R7MR-02	4.7	100	20	105.0	3.0	2.2
LML0420AA-6R8MR-02	6.8	100	20	135.0	3.0	2.0
LML0420AA-100MR-02	10	100	20	258.0	2.0	1.6



Molding Power Inductors

LML0530AA Series						
P/N	Inductance (μ H)	Test Freq. (MHz)	Tolerance (\pm %)	DCR (m Ω) \pm 30%	Isat (Max)	Idc (Max)
LML0530AA-R20MR-02	0.20	100	20	3.9	17.0	14.0
LML0530AA-R47MR-02	0.47	100	20	8.0	15.0	11.0
LML0530AA-R68MR-02	0.68	100	20	12.0	13.0	9.0
LML0530AA-1R0MR-02	1.0	100	20	14.0	11.0	8.1
LML0530AA-1R2MR-02	1.2	100	20	16.0	11.0	8.1
LML0530AA-1R5MR-02	1.5	100	20	25.0	10.0	7.2
LML0530AA-2R2MR-02	2.2	100	20	29.0	7.5	5.5
LML0530AA-3R3MR-02	3.3	100	20	38.0	6.0	4.8
LML0530AA-4R7MR-02	4.7	100	20	60.0	5.0	4.5
LML0530AA-6R8MR-02	6.8	100	20	90.0	4.0	3.5
LML0530AA-100MR-02	10	100	20	125.0	3.5	2.5

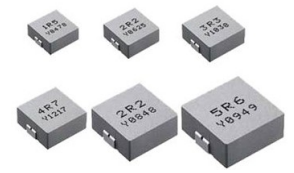
LML0612AA Series						
P/N	Inductance (μ H)	Test Freq. (KHz)	Tolerance (+/-%)	DCR (m Ω) Max.	Isat (Typ.)	Idc (Typ.)
LML0612AA-R56MR-02	0.56	100	20	15.5	11.0	8.0
LML0612AA-R68MR-02	0.68	100	20	17.5	9.5	7.0
LML0612AA-1R0MR-02	1.0	100	20	29.0	7.5	6.0
LML0612AA-2R2MR-02	2.2	100	20	58.0	5.0	4.0
LML0612AA-3R3MR-02	3.3	100	20	92.0	4.0	3.5
LML0612AA-4R7MR-02	4.7	100	20	122.0	3.5	2.8
LML0612AA-6R8MR-02	6.8	100	20	210.0	2.8	2.1
LML0612AA-100MR-02	10	100	20	280.0	2.2	2.0



Molding Power Inductors

LML0618AA Series						
P/N	Inductance (uH)	Test Freq. (KHz)	Tolerance (+/-%)	DCR (mΩ) Max.	Isat (Typ.)	Idc (Typ.)
LML0618AA-R68MR-02	0.68	100	20	12.7	17.0	9.0
LML0618AA-1R0MR-02	1.0	100	20	17.0	14.0	7.0
LML0618AA-1R5MR-02	1.5	100	20	26.0	12.0	6.5
LML0618AA-2R2MR-02	2.2	100	20	35.0	8.0	5.0
LML0618AA-3R3MR-02	3.3	100	20	60.0	8.0	3.5
LML0618AA-4R7MR-02	4.7	100	20	70.0	5.0	3.5
LML0618AA-6R8MR-02	6.8	100	20	110.0	4.5	2.8
LML0618AA-100MR-02	10	100	20	155.0	2.5	2.3

LML0624AA Series						
P/N	Inductance (uH)	Test Freq. (KHz)	Tolerance (+/-%)	DCR (mΩ) Max.	Isat (Typ.)	Idc (Typ.)
LML0624AA-R22MR-02	0.22	100	20	3.0	34.0	21.0
LML0624AA-R33MR-02	0.33	100	20	4.1	26.0	18.0
LML0624AA-R47MR-02	0.47	100	20	5.1	22.0	15.0
LML0624AA-R56MR-02	0.56	100	20	6.5	17.0	13.0
LML0624AA-R68MR-02	0.68	100	20	7.0	16.0	12.0
LML0624AA-1R0MR-02	1.0	100	20	13.5	16.0	9.0
LML0624AA-1R5MR-02	1.5	100	20	20.0	15.0	9.0
LML0624AA-2R2MR-02	2.2	100	20	28.0	12.0	7.0
LML0624AA-3R3MR-02	3.3	100	20	39.0	10.0	5.5
LML0624AA-4R7MR-02	4.7	100	20	50.0	7.5	5.0
LML0624AA-6R8MR-02	6.8	100	20	65.0	6.0	4.0
LML0624AA-100MR-02	10	100	20	101.0	5.0	3.1



Molding Power Inductors

LML0630AA Series						
P/N	Inductance (uH)	Test Freq. (KHz)	Tolerance (+/-%)	DCR (mΩ) Max.	Isat (Typ.)	Idc (Typ.)
LML0630AA-R22MR-02	0.22	100	20	3.0	42.0	24.0
LML0630AA-R24MR-02	0.24	100	20	3.1	31.0	23.0
LML0630AA-R33MR-02	0.33	100	20	3.5	30.0	21.0
LML0630AA-R47MR-02	0.47	100	20	4.1	20.0	18.0
LML0630AA-R56MR-02	0.56	100	20	4.5	18.0	16.5
LML0630AA-R68MR-02	0.68	100	20	5.3	17.0	16.0
LML0630AA-R82MR-02	0.82	100	20	6.0	17.0	14.0
LML0630AA-1R0MR-02	1.0	100	20	7.4	15.0	12.0
LML0630AA-1R5MR-02	1.5	100	20	12.1	14.0	10.0
LML0630AA-2R2MR-02	2.2	100	20	15.0	10.0	8.0
LML0630AA-3R3MR-02	3.3	100	20	22.0	9.5	6.5
LML0630AA-4R7MR-02	4.7	100	20	33.0	6.5	5.5
LML0630AA-6R8MR-02	6.8	100	20	50.0	6.0	4.5
LML0630AA-8R2MR-02	8.2	100	20	60.0	6.0	4.2
LML0630AA-100MR-02	10.	100	20	68.0	5.5	4.0
LML0630AA-150MR-02	15.	100	20	115.0	4.5	3.0
LML0630AA-220MR-02	22.	100	20	200.0	3.0	2.3
LML0630AA-330MR-02	33.	100	20	310.0	3.0	2.0

NOTE :

- ◎Testing frequency:100KHz/1V
- ◎All test Data is referenced to 20°C ambient
- ◎Typical Heat Rating DC Current (Idc) would cause an approximately ΔT of 40°C
- ◎Typical Saturation DC Current (Isat) would cause open load inductance to drop approximately 30%

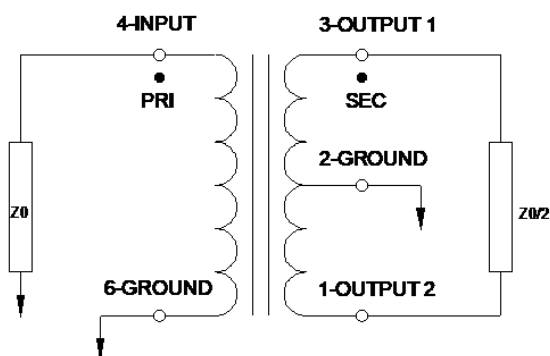


RF Transformer

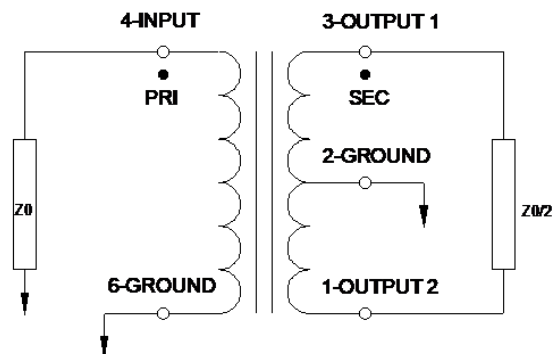
DOCSIS	Chip Solution	LinkCom Part No.	Turn Ratio Impedance	Frequency	Schematic	Package
DOCSIS 3.0	Broadcom BCM338xx:	LRT2002-50R	1.5:1 75ohm:33.3ohm	5-100MHz	A	#1
	Intel PUM6+Maxlinear MXL231(upstream):	LRT1201-50R	1:1 75ohm:75ohm	50-200MHz	B	#2
DOCSIS 3.1	Broadcom BCM3390x:	LRT1512-50R	1:1 75ohm:75ohm	5-200MHz	C	#3
		LRT1513-50R	2:1 75ohm:18.75ohm	5-300MHz	C	#4
	Intel Puma7+Maxlinear MXL236(upstream):	LRT1514-50R	1.5:1 75ohm:33.3ohm	5-204MHz	D	#5

Schematics:

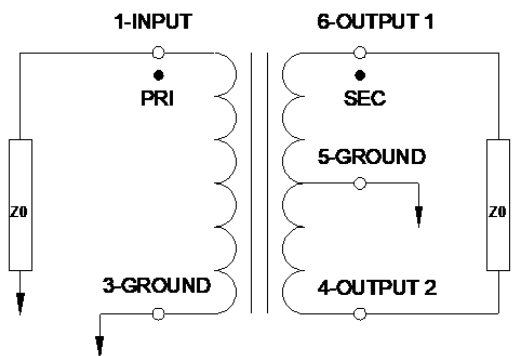
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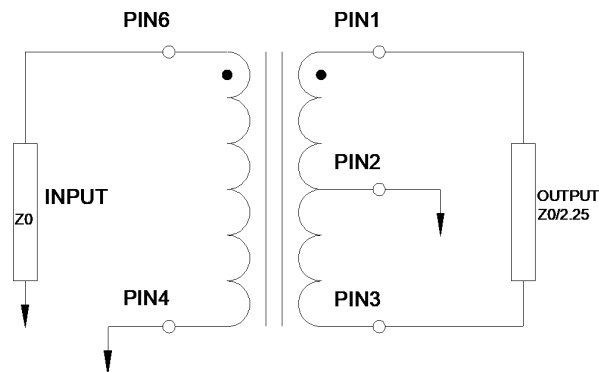
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C



D

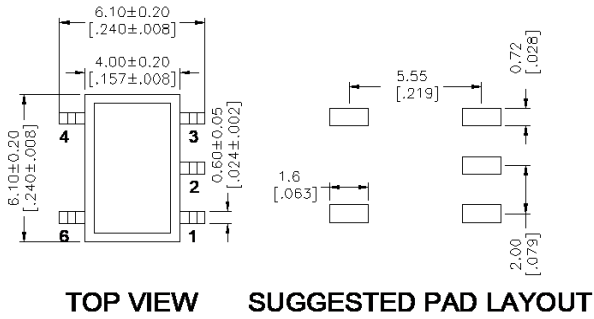




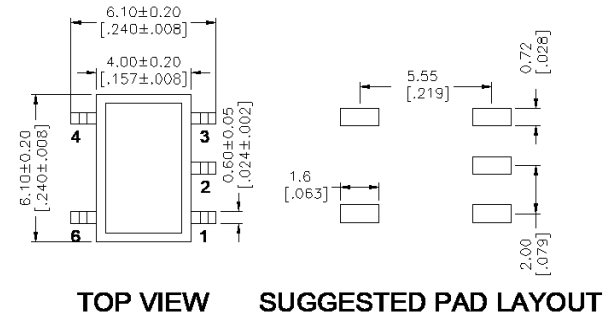
RF Transformer

Dimension: (Units: $\frac{\text{Inches}}{\text{mm}}$)

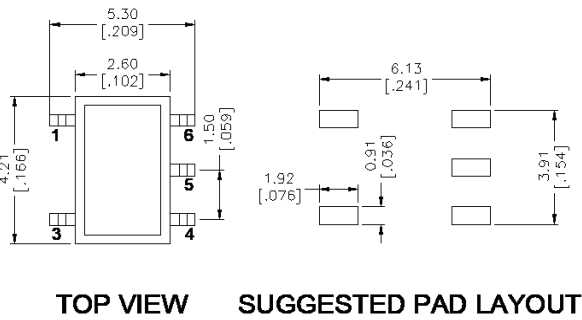
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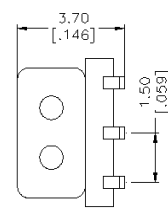
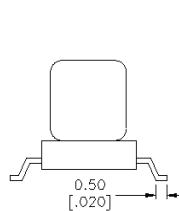
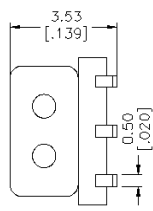
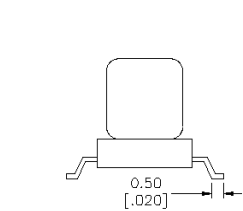
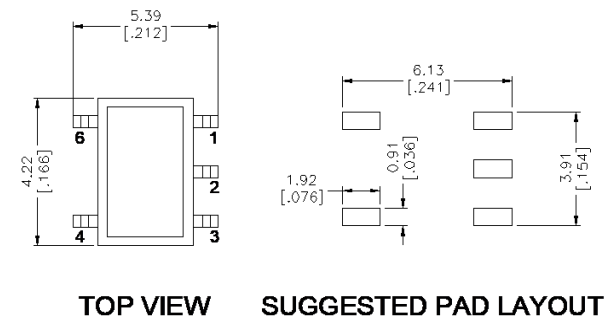
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#3



#4



Electric Vehicle Transformers



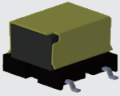
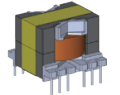
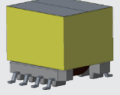
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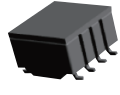
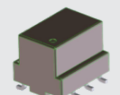
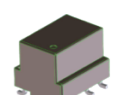
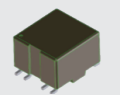
BMS Transformer Features

- LLC resonant full-bridge transformer Frequency range 70–200kHz
- UL94 and RoHS materials (F/155°C)
- Operating temperature range: –40 to +130°C
- Reinforced insulation
- Compliance for IATF16949 with PPAP process
- Meet AEC–Q200 certified

Product Drawing	Part No.	Core Material	Dimension	PIN	PIN type	OCL pin	OCL(mH)	Tolerance	Ratio	Memo	Application
	AEP07B-000-00	Ferrite	L*W*H (mm) =9.2*9.4*4*7	4	SMD	2-1	0.2	Min.	1:1	Isolated Tr.	BMS
	APQ26B-360-00	Ferrite	L*W*H (mm) =28*31*23.5	12	SMD	3-1	0.67	±10%	8:1	Isolated Tr.	BMS
	AEP10B-070-00	Ferrite	L*W*H (mm) =28*31*23.5	8	SMD	2-4	0.009	±10%	1:0.5	Isolated Tr.	BMS

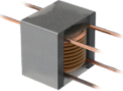
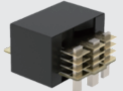

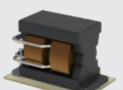
PLC Transformer Features

- Coupling Transformers for narrowband power Wideband Frequency response 2~30MHz
- Automotive Temperature ranges (–40~+130 ° C)
- Turns ratio supports various of PLC chipsets
- Designed to meet IEC–62368 for 250v mains supply
- Compliance for IATF16949 with PPAP process
- Meet AEC–Q200 certified

Product Drawing	Part No.	Core Material	Dimension	PIN	PIN type	OCL pin	OCL(mH)	Tolerance	Ratio	Memo	Application
	ARD07P-000-00	Ferrite	L*W*H (mm) =6.5*3.5*2B	8	SMD	5-8	0.032	Min.	1:1:1	PLC Transforme	DCFC
	LTC0388-50	Ferrite	L*W*H (mm) =9.0*7.8*7.6	8	SMD	8-5	0.032	Min.	1:1:1	PLC Transforme	DCFC
	LTC0389-50	Ferrite	L*W*H (mm) =9.0*7.8*7.6	8	SMD	8-5	0.032	Min.	1:1	PLC Transforme	DCFC
	LTC0508-50	Ferrite	L*W*H (mm) =10*6.8*6.6	8	SMD	8-5	0.032	Min.	1:1	PLC Transforme	DCFC

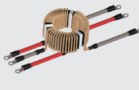

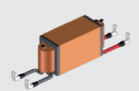
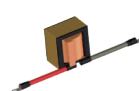

OBC Transformer Features

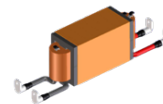
- LLC resonant full-bridge transformer Frequency range 70–200kHz
- UL94 and RoHS materials (F/155°C)
- Operating temperature range: –40 to +130°C
- Reinforced insulation
- Compliance for IATF16949 with PPAP process
- Meet AEC–Q200 certified

Product Drawing	Part No.	Core Material	Dimension	PIN	PIN type	OCL pin	OCL(mH)	Tolerance	Ratio	Memo	Application
	APQ350-112-00	Ferrite	L*W*H (mm) =36.5*27*38.2	4	Lead	1-2	0.025	Typ.	6:3	DC/DC Transforme	OBC
	APQ500-352-00	Ferrite	L*W*H (mm) =62*53*35	5	DIP	1-2	1.15	Min.	1:1:1	DC/DC Transforme	OBC
	A40330-102L-00	Ferrite	L*W*H (mm) =42*19*39	2	DIP	1-2	0.001	Typ.	-	Power Transforme	OBC
	AC2619-143J-00	Ferrite	L*W*H (mm) =43*27*30	2	DIP	1-2	0.014	Typ.	-	Power Transforme	OBC

Magnetics for Charging Station Features

- Design for 50kW full-bridge DC-to-DC converter for EV charging system
- New design structure, reducing the overall volume and dissipate heat
- Planar winding method, lower the effect of parasitic capacitance
- Fe–Si material which enormously lower the effect of saturated current
- Compliance for IATF16949 with PPAP process
- Meet AEC–Q200 certified

Product Drawing	Part No.	Core Material	Dimension	PIN	PIN type	OCL pin	OCL(mH)	Tolerance	Ratio	Memo	Application
	ALF6525AL-1723PG	Nano crystalline	L*W*H (mm) =82*82*39	6	Lead	1-2	1.7	Min.	1:1:1	Common Mode Choke	DCFC
	ALF6525AL-1812PG	Nano crystalline	L*W*H (mm) =82*82*39	4	Lead	1-2	0.182	Min.	1:1	Common Mode Choke	DCFC
	ATEE70L503AG	Ferrite	L*W*H (mm) =235*73*94	4	Lead	1,2-3,4	1.3	Min.	8:10	DC/DC Transformer	DCFC
	AEQ5050AL-114LG	High Flux	L*W*H (mm) =53*50*53	2	Lead	1-2	0.111	±15%	/	Power Inductor	DCFC
	AEQ4140AL-842LG	High Flux	L*W*H (mm) =45*45*43	2	Lead	1-2	0.0084	±15%	/	Power Inductor	DCFC



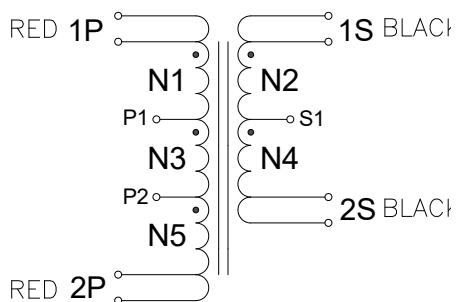
Automotive power Transformer

- RoHS Compliant
- Operating Temperature -40°C to +125°C (including self heating)

LinkCom Part No.	Primary inductance Min. (mH)	Leakage Inductance Max. (uH)	Rated Current Max. (A)	Schematic	Package
AEE7AEE70C-503-00	1.3	1.0	136	A	#1

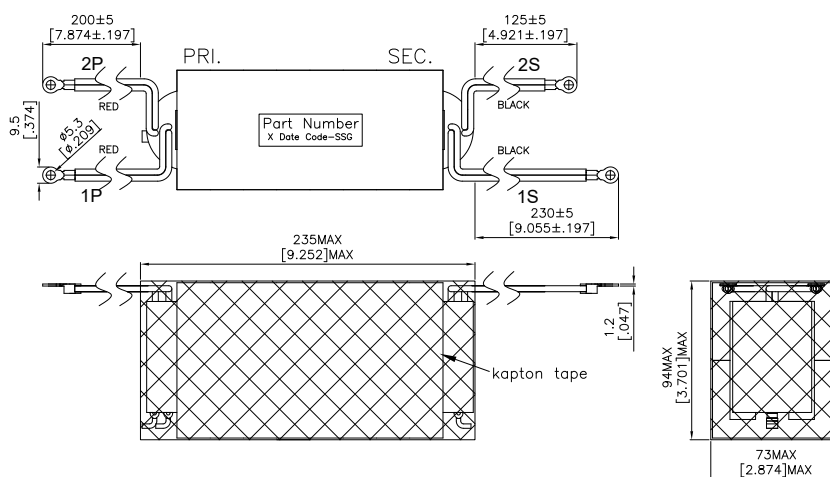
Schematics:

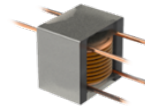
A



Dimension: (Units: $\frac{\text{mm}}{\text{Inches}}$)

#1





Automotive power Inductor

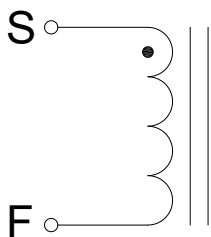
Inductor

- RoHS Compliant
- Operating Temperature -40°C to +125°C (including self heating)

LinkCom Part No.	Primary inductance (uH)	Saturation Rated Current (uH)	Heat Rating Rated Current (uH)	Schematic	Package
A7060E-103K-00	10.1±5%	>10 @110A	>10 @130A	A	#1
A7060E-124K-00	120±10%	L DROP -15%@80A	L DROP -30%@120A	A	#2

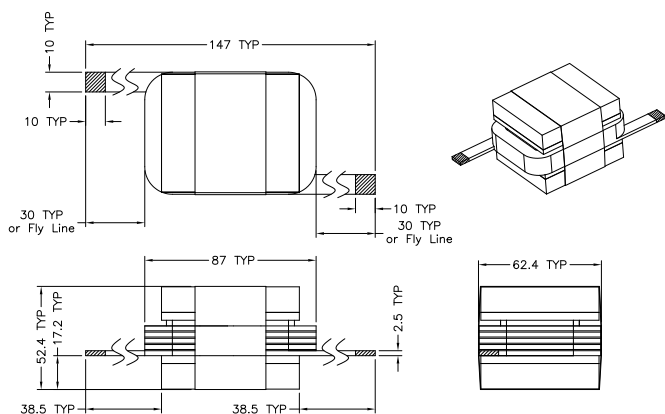
Schematics:

A

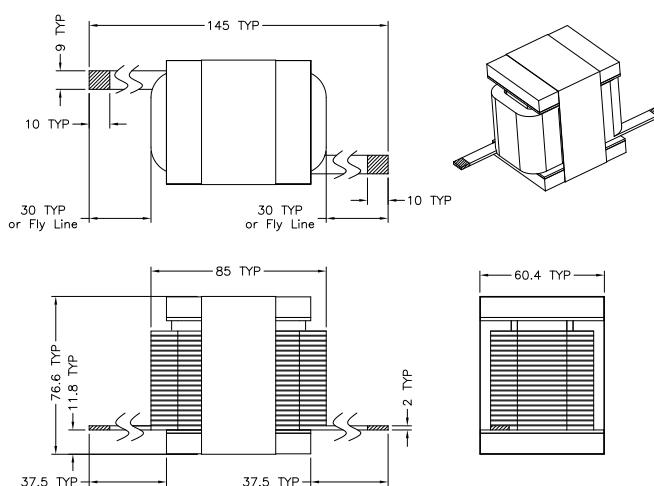


Dimension: (Units:mm)

#1



#2





Automotive common mode choke

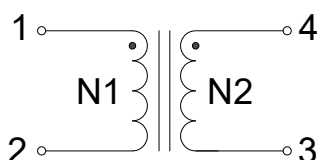
Inductor

- RoHS Compliant
- Operating Temperature -40°C to +125°C (including self heating)

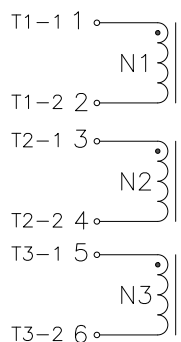
LinkCom Part No.	inductance (uH)	Rated Current (A)	Schematic	Package
LTC0669-50	1.08 Min.	144 Nom.	A	#1
LTC0668-50	1.7 Min.	78 Max.	B	#2

Schematics:

A

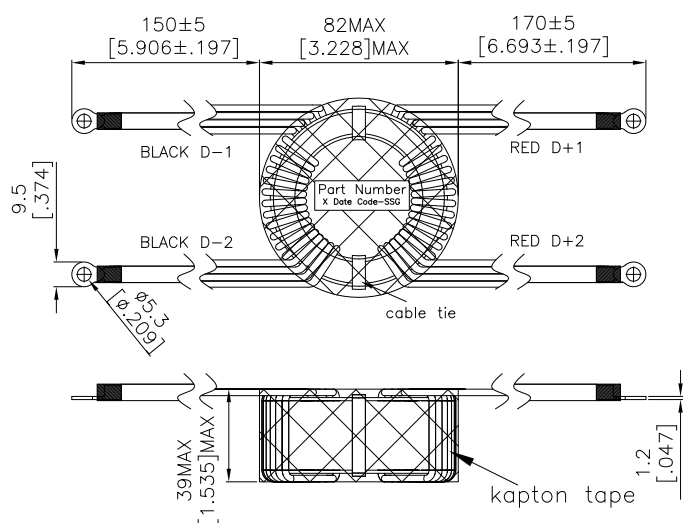


B

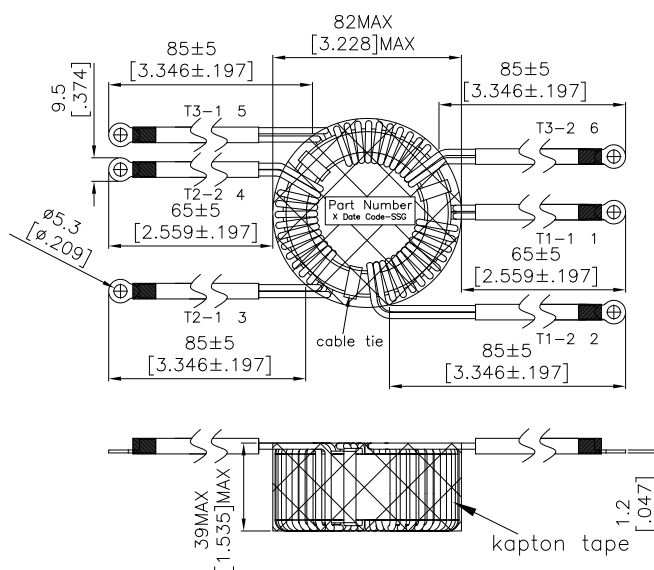


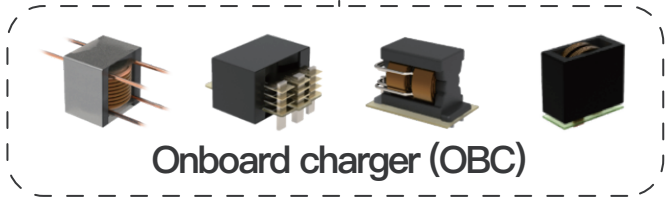
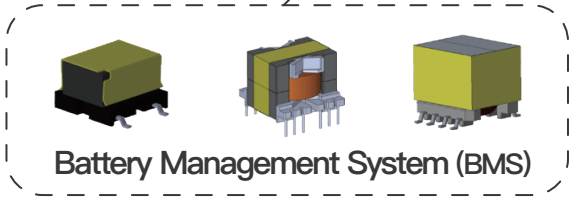
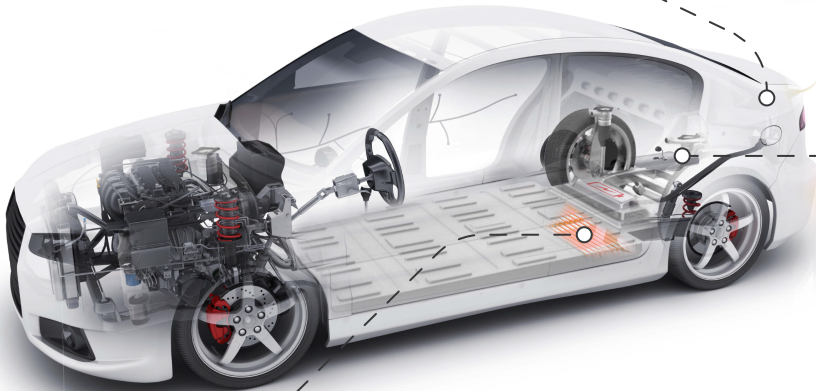
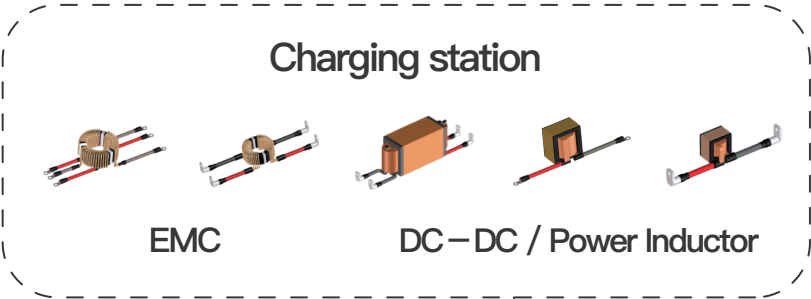
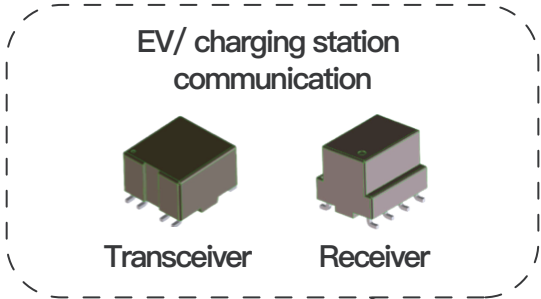
Dimension: (Units: $\frac{\text{mm}}{\text{Inches}}$)

#1



#2





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