



# EP SERIES

## Telecom Transformer

### FEATURES

- Low interwind capacitance
- Low total harmonic distortion(THD)
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT Standards

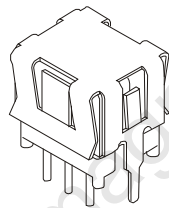
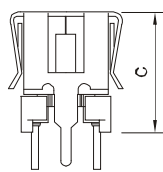
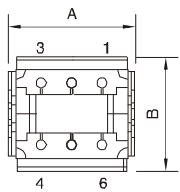
### OPTIONS

- Tape and reel is standard
- Bulk packaging available for Smaller quantities
- Custom design available
- Tolerance: 5% is standard, Lower Tol. available

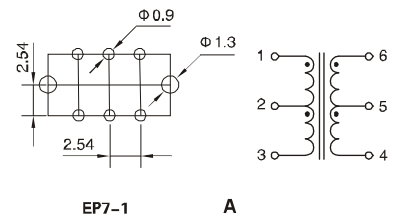
### APPLICATIONS

- Modem
- Fax machine, Hub
- ISDN, ADSL, HDSL, PABX
- Other telecommunication facilities etc
- Switching power supplies
- AC-DC, DC-DC converters

Part Number	Inductance (10kHz/0.1V Typ)	Cs (max)	Turn Ratio	DCR (Ohm Max.)	THD (max)	Hi-pot (PH-Sec)	Schematic
EP7-1	2.0mH min.	27pF	1.66:1(1-3:6-4)	0.8:0.7(1-3:6-4)		1250VAC	A
	(1-3)	(pri-sec)					
EP7-2	530μH ±6%	27pF	1:1(1-3:6-4)	2.1:2.1(1-3:6-4)	-54dB	1250VAC	B
	(6-4)	(pri-sec)					
EP10	1.75mH min.	100pF	1:0.653:0.184	0.9:0.58:0.09		500VDC	C
	(8-2)	(pri-sec)					

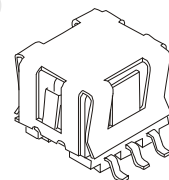
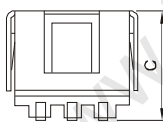
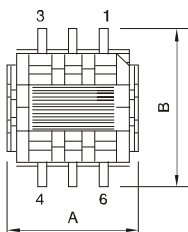


EP7-1

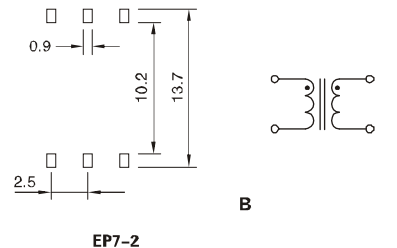


EP7-1

A

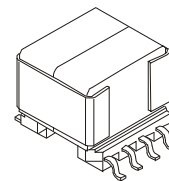
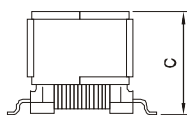
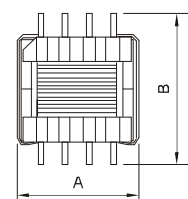


EP7-2

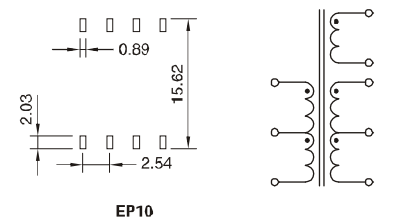


EP7-2

B



EP10



EP10

C

Note: All Dimensions in mm

Part No.	EP7-1	EP7-2	EP10
A	11.2max	11.2max	13.8max
B	9.9max	13.7max	15.2max
C	10.2max	9.5max	11.6max



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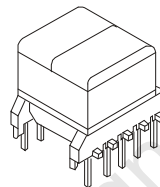
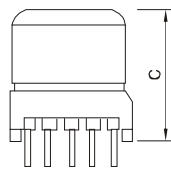
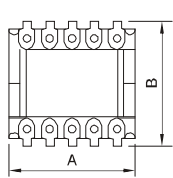
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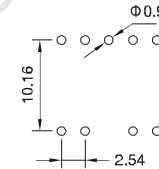
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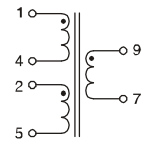
Part No.	Inductance (10kHz/0.1V Typ)	Cs (max)	Turn Ratio	DCRI 0 max)	THD (max)	Hi-pot (Pri-Sec)	Schematic
EP13-1	2.0mH ± 10% (1-5 tie 2,4)		4:1(1-5:9-7 tie 2,4)	1.25:1.25:1.0 (1-4:2-5:9-7)	-72dB	2050VAC	D
EP13-2	410µH ± 6% (1-5 tie 2,4)		02:01 (1-5:10-6 tie 2+4,7+9)	0.48:0.23 (1-4:10-7)	-72dB	1875VAC	E
EP13-3	400µH ± 6% (16-9 tie 11,14)	21pF (pri-sec)	4.25:1 (16-9:5-8 tie 11+14,7+6)	0.49:0.28:0.96 (14-9:5-7:1-3)	-68dB	1875VAC	F



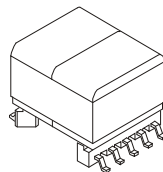
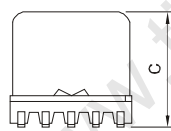
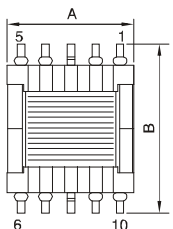
EP13-1



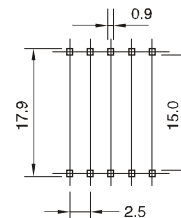
EP13-1



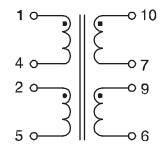
D



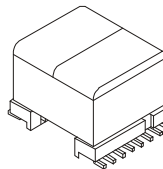
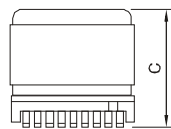
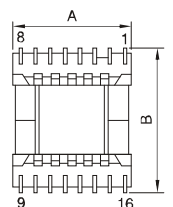
EP13-2



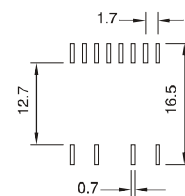
EP13-2



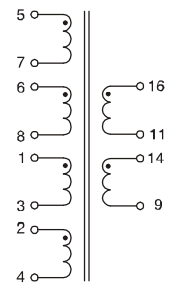
E



EP13-3



EP13-3



F

Dimensions(mm)

Part No.	EP13-1	EP13-2	EP13-3
A	14.2max	13.6max	14.0max
B	14.2max	17.9max	16.4max
C	13.0max	12.4max	12.6max