

TELECOM TRANSFORMERS

YCEP13 SERIES

FEATURES:

- Low inductance
- Low total harmonic distortion (THD)
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT safety standard

COMMON APPLICATIONS:

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

OPTIONS:

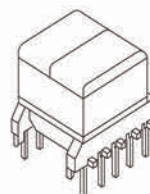
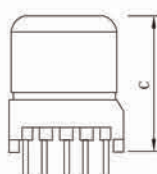
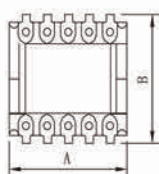
- Tape and reel is standard
- Bulk packaging available for smaller quantities
- Custom design available
- Tolerance: 5% is standard, Tighter tolerance available

TECHNICAL INFORMATION

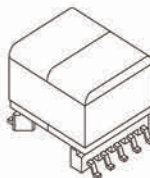
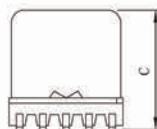
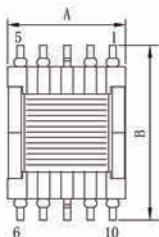
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (10kHz/0.1V Typ)	Cs (max)	Turn Ratio	DCR (Ω max)	THD (max)	Hi-pot (Pri-Sec)	Schematic
YCEP13-1	2.0mH $\pm$ 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
YCEP13-2	410 μ H $\pm$ 6% (1-5 tie 2, 4)		2:1 (1-5:10-6 tie 2+4, 7+9)	0.48:0.23 (1-4:10-7)	-72dB	1875VAC	E
YCEP13-3	400 μ H $\pm$ 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

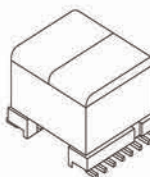
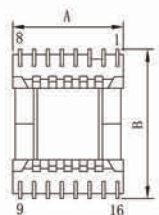
PHYSICAL CHARACTERISTICS



FAEP13-1



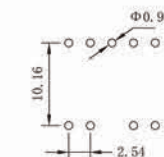
FAEP13-2



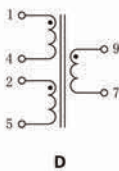
FAEP13-3

Dimensions (mm)

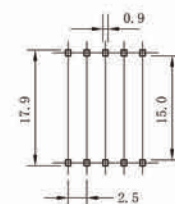
Part No.	YCEP13-1	YCEP13-2	YCEP13-3
A	14.2max	13.6max	14.0max
B	14.2max	17.9max	16.4max
C	13.0max	12.4max	12.6max



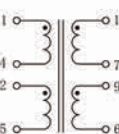
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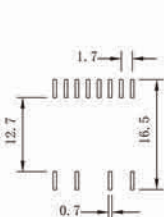
D



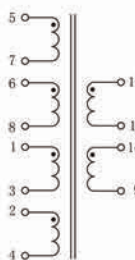
FAEP13-2



E



FAEP13-3



F

Note: All Dimensions in mm