PCA ELECTRONICS INC.

10Base-T Interface Module

EPE6166CSE & EPE6166CSE-RC

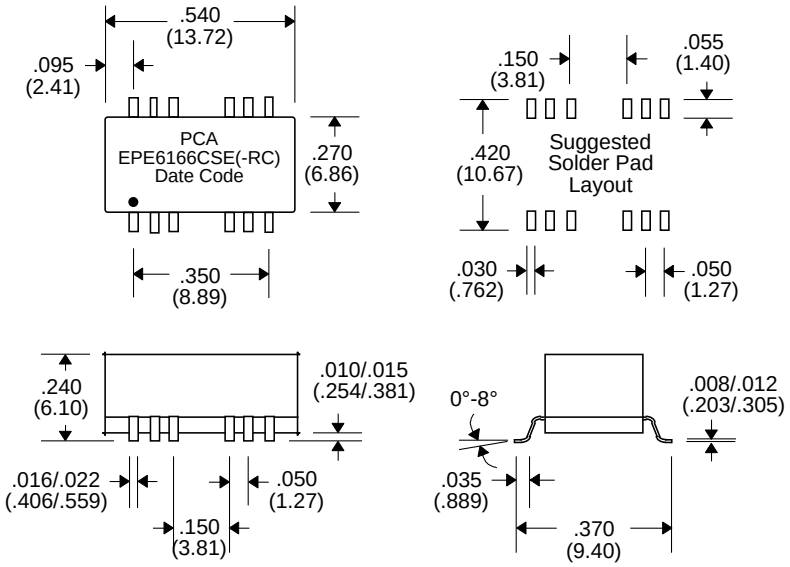
- Robust construction allows for toughest reflow processing
- Complies with or exceeds IEEE 802.3, 10Base-T Standards
- Manufactured in compliance with UL1950/UL1459
- Add “-RC” after part number for RoHS Compliant
- Operating Temperature : -40°C to +85°C
- Storage Temperature : -55°C to +125°C
- 1500 Vrms Isolation

Electrical Parameters @ 25° C

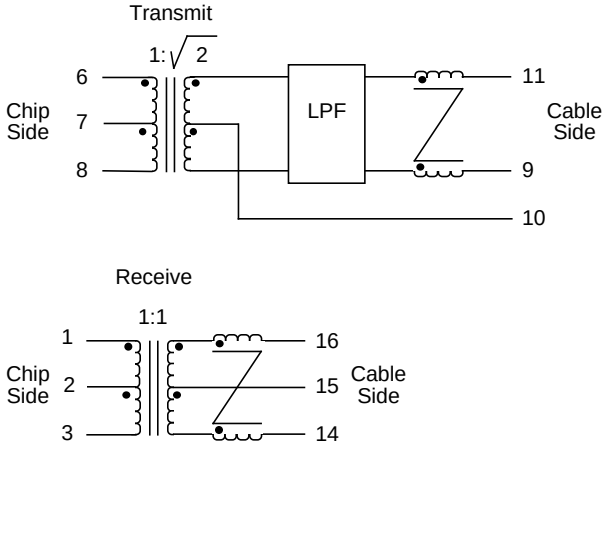
OCL (µH Min.)	**Insertion Loss** (dB Max.)	**Return Loss** (dB Min.)	**Attenuation** (dB Min.)				**Common Mode Rejection** (dB Min.)		**Crosstalk** (dB Min.)
@ 100 KHz, 20 mVrms	1-10 MHz	5-10 MHz	@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz	10-30 MHz	30-100 MHz	1-10 MHz
Cable Side	Xmit	Xmit	Xmit	Xmit	Xmit	Xmit	Xmit/Rcv	Xmit/Rcv	Between Channels
160	-1	-15	-5	-14	-24	-30	-40	-30	-30

• **Cut-off Frequency :** 17 MHz ± 1, Ref. @ 5 MHz • **Cable Side Impedance** : 100 Ω •

Package



Schematic



Notes :	**EPE6166CSE**	**EPE6166CSE-RC**
1. Lead Finish	SnPb	Hot Tin Dip (Sn) †
2. Peak Temperature Rating	225°C	245°C
3. Moisture Sensitive Levels	MSL = 3 (168 Hours, ≤30°C/60%RH)	MSL = 4 (72 Hours, ≤30°C/60%RH)
4. Weight	1.13 grams	1.13 grams
5. Packaging Information (Tube)	34 pieces/tube	34 pieces/tube
(Tape & Reel)	500 pieces/13” reel	500 pieces/13” reel

† Lead Material : Ni Barrier over Cu

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

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