PCA ELECTRONICS INC.

10Base-T Interface Module

EPA1990A & EPA1990A-RC



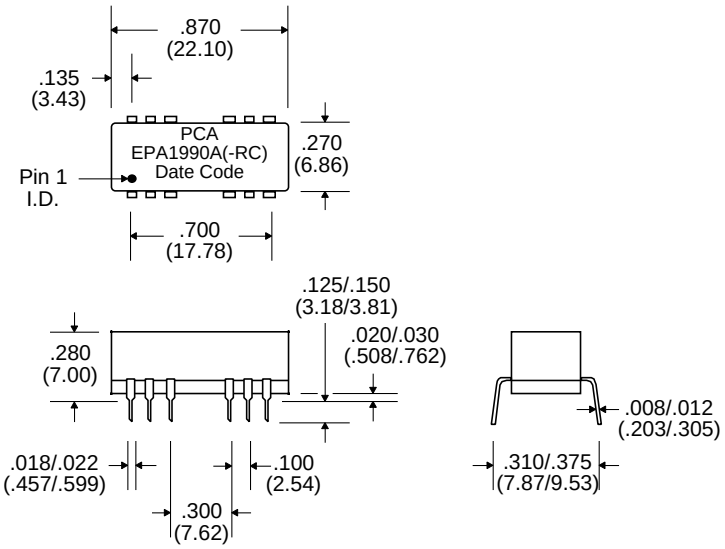
- General Purpose 10Base-T Filter Module
- Complies with or exceeds IEEE 802.3, 10Base-T Standards
- Add “-RC” after part number for RoHS Compliant
- Available in SMD and DIP Packages

Electrical Parameters @ 25° C

Cut-Off Frequency (MHz)	**OCL** (µH Min.)	**Insertion Loss** (dB Max.)	**Return Loss** (dB Min.)	**Attenuation** (dB Min.)				**Crosstalk** (dB Min.)
± 1.0 MHz		1-10 MHz	5-10 MHz	@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz	1-10 MHz
Xmit/Rcv		Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv
17/17	200	-1/-1	-15/-15	-7/-6	-19/-14	-30/-20	-35/-31	-30/-30

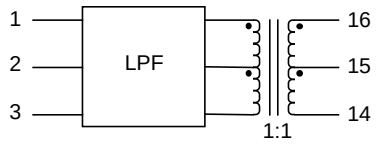
• **Isolation** : meets or exceeds 802.3 IEEE Requirements • **Characteristic Filter Impedance** : 100 Ω •
• Referenced to the Output Level Fundamental Frequency @ 5 MHz •

Package

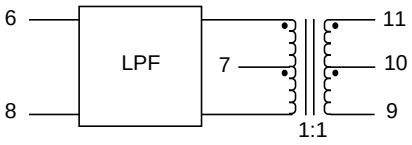


Schematic

Transmit Channel



Receive Channel



Notes :	**EPA1990A**	**EPA1990A-RC**
1. Lead Finish	SnPb	Matte Tin
2. Peak Temperature Rating	225°C	260°C
3. Moisture Sensitive Levels	MSL = 3 (168 Hours, ≤30°C/60%RH)	MSL = 4 (72 Hours, ≤30°C/60%RH)
4. Weight	2.3 grams	2.3 grams
5. Packaging Information (Tube)	21 pieces/tube	21 pieces/tube

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

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

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