

10Base-T Interface Module

EPA1990A & EPA1990A-RC



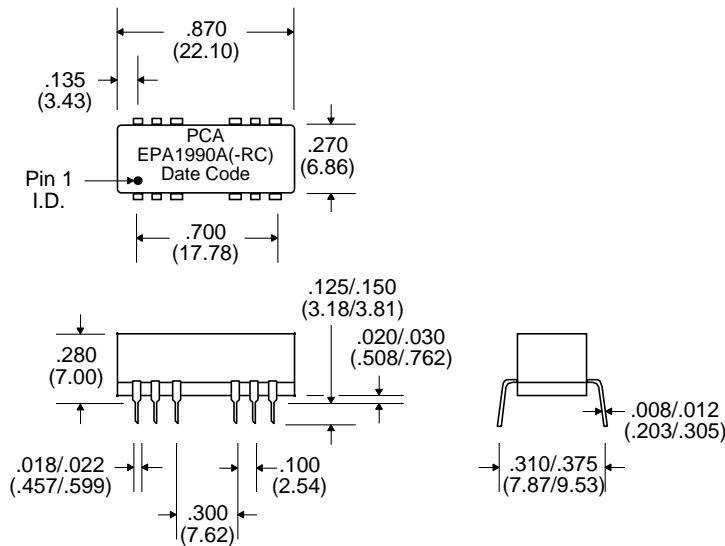
- General Purpose 10Base-T Filter Module
- Complies with or exceeds IEEE 802.3, 10Base-T Standards
- Add “-RC” after part number for RoHS Compliant
- Available in SMD and DIP Packages

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.)
				@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz	
± 1.0 MHz		1-10 MHz	5-10 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

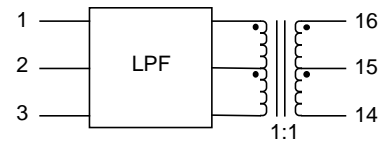
- **Isolation** : meets or exceeds 802.3 IEEE Requirements
- **Characteristic Filter Impedance** : 100
- Referenced to the Output Level Fundamental Frequency @ 5 MHz

Package

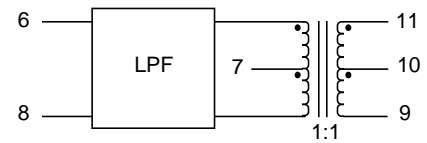


Schematic

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