

# 10/100Base-TX Interface Module with Enhanced Common Mode Attenuation

## EPF8017GH & EPF8017GH-RC



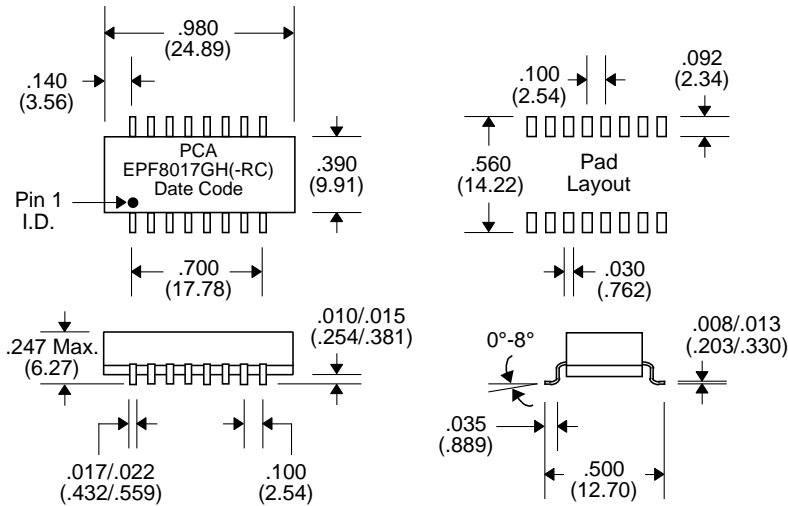
- Optimized for use with DP83840A/DP83223 Chip Set
- Recommended for use with ICS 1890 Series & SSI578Q2120 (when connected per appropriate schematic)
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards
- Guaranteed to operate with 8 mA DC Bias at 70°C
- Add "-RC" after part number for RoHS Compliant

### Electrical Parameters @ 25° C

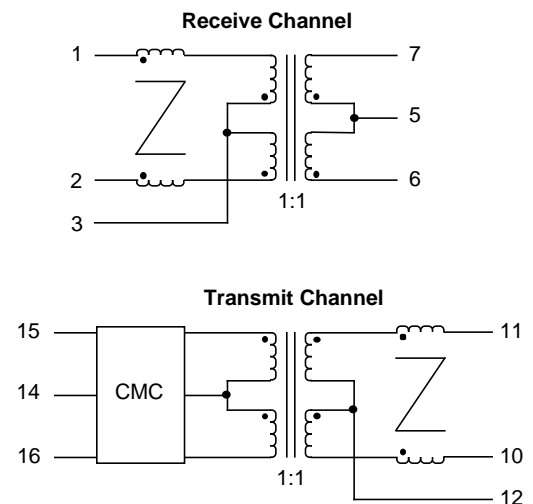
OCL (@ 70°C)	Insertion Loss (dB Max.)			Return Loss (dB Min.)			Common Mode Rejection (dB Min.)			Crosstalk (dB Min.)	
	1-80 MHz	80-100 MHz	100-150 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-30 MHz	30-100 MHz	100-500 MHz	5-10 MHz	10-100 MHz
100 KHz, 0.1 Vrms 8 mA DC Bias											
<b>Cable Side</b>	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv		
350 µH	-1/-1	-2/-2	-3.5/-3.5	-18/-18	-12/-12	-10/-10	-40/-40	-35/-30	-10/-10	-35	-35

• Isolation : 1500 Vrms • Impedance : 100 • Rise Time : 3.0 nS Max. •

### Package



### Schematic



Notes :	EPF8017GH	EPF8017GH-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	2.8658 grams	2.8658 grams
5. Packaging Information	(Tube)	20 pieces/tube
	(Tape & Reel)	300 pieces/13" reel

† Lead Material : Ni Barrier over Cu

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