

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

EPF8115G & EPF8115G-RC



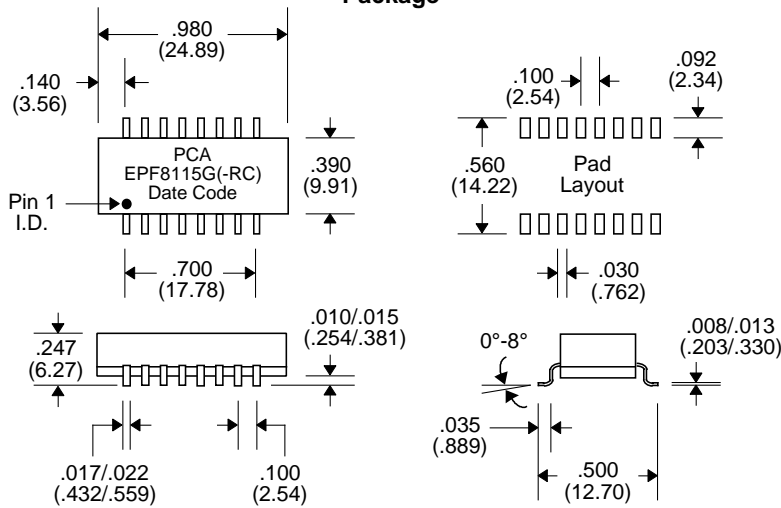
- Guaranteed to operate with 8 mA DC Bias at 70°C
- Robust construction to meet IR/VP soldering processes
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards
- RoHS Compliant

Electrical Parameters @ 25° C

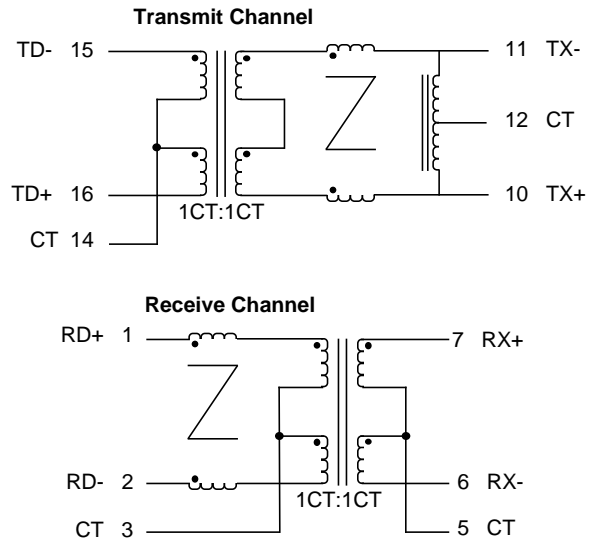
OCL @ 70°C	Insertion Loss (dB Max.)		Return Loss (dB Min.)				Common Mode Rejection (dB Min.)			Crosstalk (dB Min.)
	100-150 MHz	1-100 MHz	1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz	30-100 MHz	200 MHz	300-500 MHz	
100 KHz, 0.1 Vrms 8 mA DC Bias	1-100 MHz	100-150 MHz	1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz	30-100 MHz	200 MHz	300-500 MHz	1-100 MHz
Cable Side	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	
350 µH	-1/-1	-3/-3	-18/-18	-14/-14	-12/-12	-10/-10	-35/-35	-15/-20	-10/-10	-50

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

Package



Schematic



Notes :	EPF8115G	EPF8115G-RC
1. Assembly Process (Solder Composition)	SnPb	Pb-Free + (RoHS exemption 7a)
2. Peak Solder Rating (per IPC/JEDEC J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC J-STD-020C)	MSL = 3 (168 Hours, 30°C/60%RH)	MSL = 4 (72 Hours, 30°C/60%RH)
4. Weight	1.85 grams	1.85 grams
5. Packaging Information (*Add "TR" to end of part number when placing order)	(Tube)	19 pieces/tube
	(Tape & Reel)	550 pieces/13" reel (*EPF8115G-TR)
		550 pieces/13" reel (*EPF8115G-RCTR)

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