

10/100Base-TX Module for Multi-Port Applications

EPF8079SM & EPF8079SM-RC



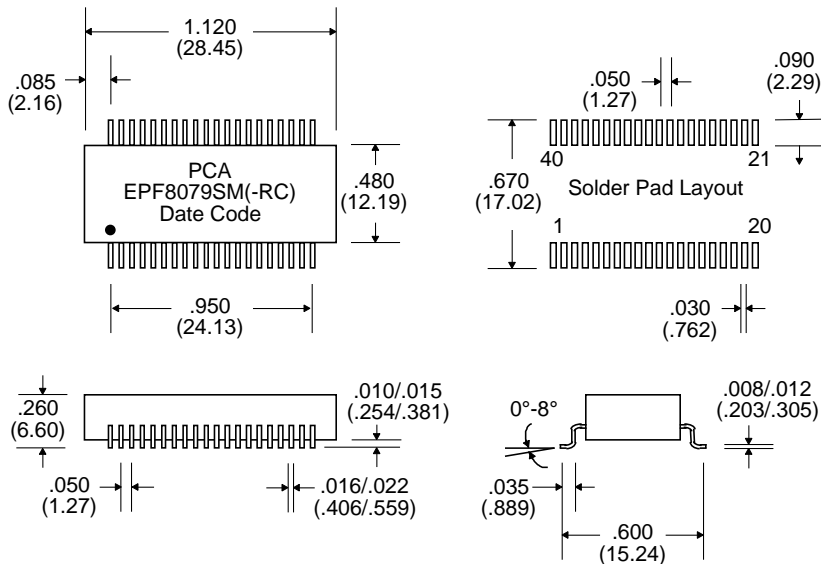
- Significantly improved Common Mode Attenuation
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards
- Guaranteed to operate with 8 mA DC bias at 70°C
- Add "-RC" after part number for RoHS Compliant

Electrical Parameters @ 25° C

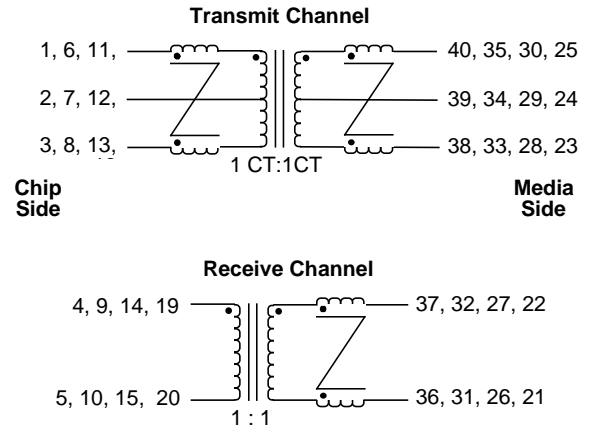
OCL @ 70°C	Insertion Loss (dB Max.)						Return Loss (dB Min.)						Common Mode Rejection (dB Min.)							
	0.1-80 MHz		100 MHz		150 MHz		1-30 MHz		60 MHz		100 MHz		30-100 MHz		200 MHz		300 MHz		500 MHz	
Media Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv
350µH	-1	-1	-1	-1	-3	-3	-18	-18	-12	-12	-10	-10	-40	-15	-25	-10	-20	-10	-15	-5

- Isolation : 1500 Vrms
- Impedance : 100 ohms
- Rise Time : 3.0 nS Max.
- Crosstalk : -30 dB Min. @ 0.1-100 MHz
- CMC Chokes on Media Side are shared for both Transmit and Receive

Package



Schematic



Notes :	EPF8079SM	EPF8079SM-RC
1. Assembly Process (Solder Composition)	(Leadframe) SnPb	Sn
	(Assembly Solder) SnPb	SnPb (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)	3 (168 Hours, 30°C/60%RH)	4 (72 Hours, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information	(Tube) 19 pieces/tube	19 pieces/tube
	(Tape & Reel) 300 pieces/13" reel (*EPF8079SM-TR)	300 pieces/13 reel (*EPF8079SM-RCTR)

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