PCA ELECTRONICS INC.

10/100Base-TX Single Port DIL Magnetic Module

EPF8278-LF

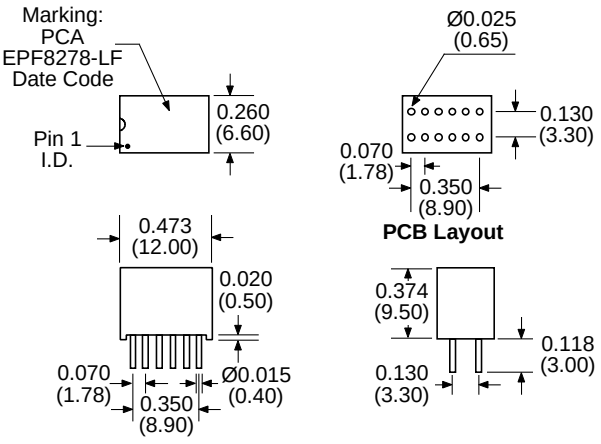
- Robust construction allows for toughest soldering processes
- Guaranteed to operate with 8 mA DC bias at 70°C on Cable Side
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards
- Operating Temperature : 0°C to +70°C
- Wire Insulation Class : MW 80C
- 1500 Vrms Isolation

Electrical Parameters @ 25° C

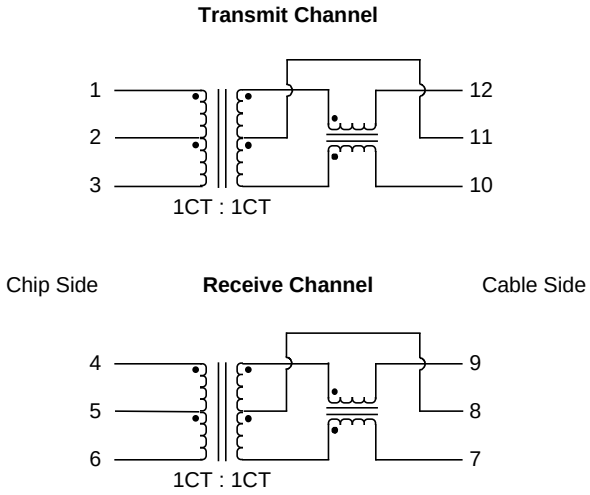
OCL (µH Min.)	**Insertion Loss** (dB Max.)	**Return Loss** (dB Min.)			**Common Mode Rejection** (dB Min.)			**Crosstalk** (dB Min.) Between Channels		
100 KHz, 0.1 Vrms 8 mA DC Bias	1-100 MHz	1-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-80 MHz	80-100 MHz	1-30 MHz	30-80 MHz	80-100 MHz
Cable Side	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv			
350	-1/-1	-16/-16	-12/-12	-10/-10	-40/-40	-37/-37	-35/-35	-40	-38	-35

• **Impedance** : 100 Ω Xmit / 100 Ω Rcv • **Rise Time** : 3.0 nS Max. •

Package



Schematic



Notes :	**EPF8278-LF**
1. Lead Finish	Hot Dipped Sn or SnCu
2. Peak Temperature Rating	260°C
3. Moisture Sensitive Levels	N/A
4. Weight	TBD gram
5. Packaging Information (Tube)	43 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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