PCA ELECTRONICS INC.

1000Base-T Dual Port Voice Over IP Magnetic Module

EPG4025F & EPG4025F-RC

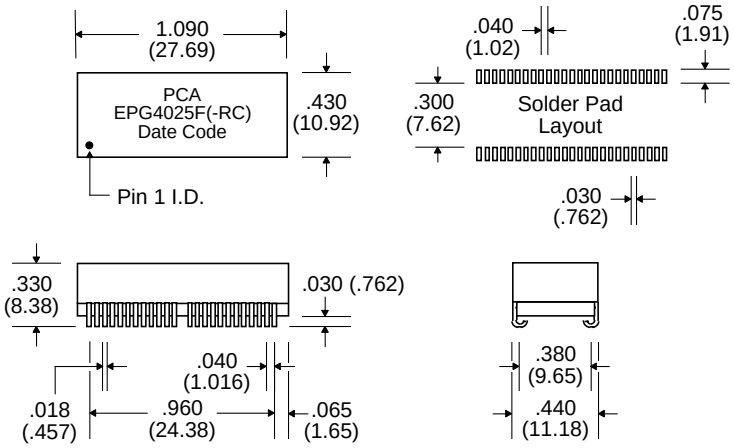
- Designed for PoE Applications
- Dual Port Interface for Gigabit Applications
- SMD Package designed for Reflow Process
- Complies with or exceeds IEEE 802.3, ANSI X3.263 Standards
- Peak Solder Rating (See Note 2)
- RoHS Compliant
- Auto MDIX

Electrical Parameters @ 25° C

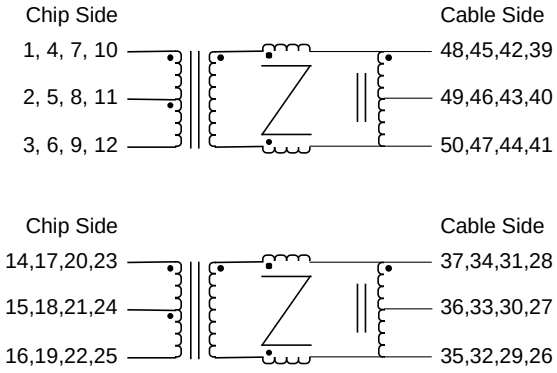
PCA Part Number(s)	OCL (µH Min.)	Insertion Loss (dB Max.)			Return Loss (dB Min.)				CMRR (dB Min.)
EPG4025F EPG4025F-RC	@ 100 KHz, 0.1 Vrms 8 mA DC Bias	1-65 MHz	65-100 MHz	100-125 MHz	1-40 MHz	60 MHz	80 MHz	100 MHz	1-80 MHz
See Notes Below	350 (Cable Side)	-1	-1.1	-1.5	-18	-15	-12	-12	-30

• **Rise Time :** 2.5 nSec. Typ. • **Isolation :** 1500 Vrms • **DC Current Handling Capability :** 400 mA Max. •

Package



Schematic



Notes :		EPG4025F	EPG4025F-RC
1. Lead Finish		SnPb	Hot Tin Dip (Sn) †
2. Peak Temperature Rating per IPC/JEDEC J-STD-020C		225°C	245°C
3. Moisture Sensitive Levels per IPC/JEDEC J-STD-020C		MSL = 3 (168 Hours, ≤30°C/60%RH)	MSL = 4 (72 Hours, ≤30°C/60%RH)
6. Weight		5.5 grams	5.55 grams
5. Packaging Information (*Add "TR" to end of part number, but in front of "-RC"when placing order)	Tube	18 pieces/tube	18 pieces/tube
	Tape & Reel	350 pieces/13" reel (*EPG4025FTR)	350 pieces/13" reel (*EPG4025FTR-RC)

† Lead Material : Matte Tin with Ni Barrier

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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