

## EPG4011J & EPG4011J-RC



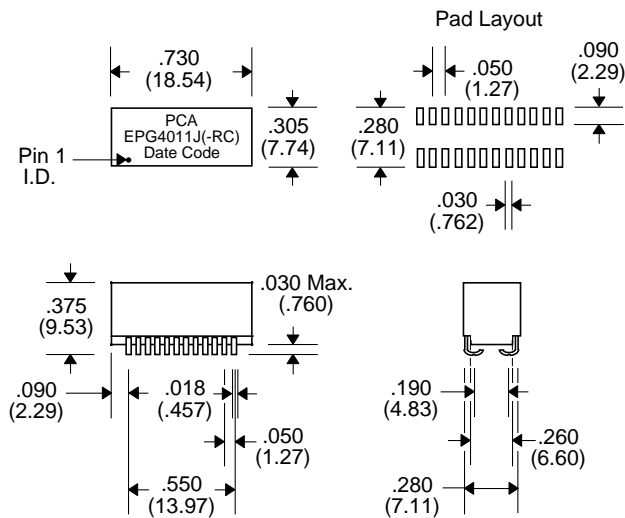
- Smallest Gigabit Magnetic Module
- Ideal for Multiport 10/100Base-TX as Gigabit Solutions
- Suitable for Auto MDIX 10/100Base-TX Applications
- Complies with or exceeds IEEE 802.3ab 1000Base-T
- Add “-RC” after part number for RoHS Compliant
- Guaranteed to operate with 10/100Base-TX
- Operating Temperature Range : 0°C to 70°C
- Enhanced Common Mode Choke

### Electrical Parameters @ 25° C

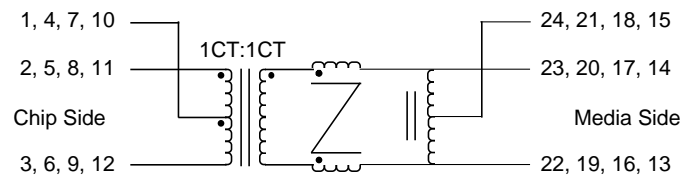
OCL ( $\mu$ H Min.)	Insertion Loss (dB Max.)			Return Loss (dB Min.)				CMRR (dB Min.)	Common to Differential (dB Min.)				Crosstalk (dB Min.)			
	1-65 MHz	65-100 MHz	100-125 MHz	1-40 MHz	60 MHz	80 MHz	100 MHz		1-80 MHz	1 MHz	30 MHz	50 MHz	100 MHz	1-40 MHz	60 MHz	100 MHz
@ 100 KHz, 0.1 Vrms 8 mA DC bias																
350 (Media Side)	-1	-1.1	-1.5	-18	-15	-12	-10	-30	-60	-40	-35	-30	-40	-35	-30	

• Isolation : 1500 Vrms • Rise Time : 1.75 nS Max. • Impedance : 100  $\Omega$  •

### Package



### Schematic



Notes :	EPG4011J	EPG4011J-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, $\leq$ 30°C/60%RH)	MSL = 4 (72 Hours, $\leq$ 30°C/60%RH)
4. Weight	5.6 grams	5.6 grams
5. Packaging Information (*Add "TR" to end of part number, but in front of "-RC" when placing order)	(Tube) 18 pieces/tube (Tape & Reel) 350 pieces/13" reel (*EPG4011JTR)	(Tube) 18 pieces/tube (Tape & Reel) 350 pieces/13" reel (*EPG4011JTR-RC)

† Lead Material : Matte Tin with Ni Barrier

Unless Otherwise Specified Dimensions are in Inches /mm  $\pm$  .010 / .25