

Home Phone Networking Analog Magnetics Module EPB5100G & EPB5100G-RC



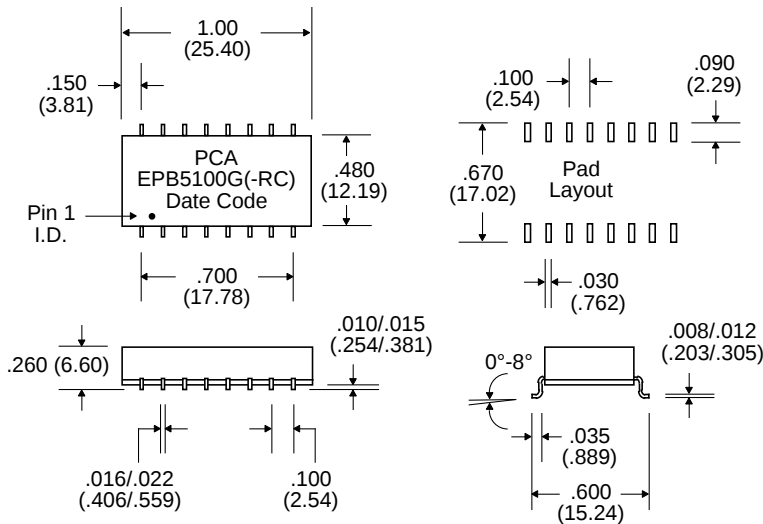
- Designed to work with Conexant HPNA 2.0 Applications
- Enhanced Common Mode Attenuation to pass FCC Class B
- Add "-RC" after part number for RoHS Compliant
- Robust construction allows for IR/VP processes
- Temperature Range -40°C to +85°C
- 1500 Vrms Isolation

Electrical Parameters @ 25° C

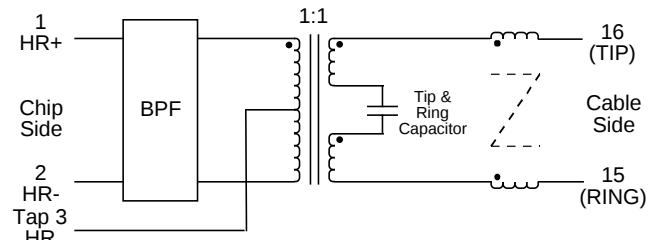
Cut-off Frequency		Insertion Loss (dB Max/)	Return Loss (dB Min.)	Attenuation (dB Min.)			CMRR (dB Min.)
Lower Band	Upper Band	4.75 MHz-9.75 MHz	4.75 MHz-9.75 MHz	@ 1.1 MHz	@ 2.2 MHz	@ 54 MHz	1 MHz-10 MHz
3.5	11.5	-2.2	-8	-60	-35	-50	-50

• Characteristic Filter Impedance : 100 Ω •

Package



Schematic



Notes :	EPB5100G	EPB5100G-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, ≤30°C/60%RH)	MSL = 4 (72 Hours, ≤30°C/60%RH)
4. Weight	3.8 grams	3.8 grams
5. Packaging Information (Tube)	40 pieces/tube	40 pieces/tube
(*Add "TR" to end of part number, but in front of "-RC" when placing order) (Tape & Reel)	650 pieces/13" reel (*EPB5100GTR)	650 pieces/13" reel (*EPB5100GTR-RC)

† Hot tin dipped over Matte Tin with Ni Barrier

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