

Low Pass Filter for Cable Modem Applications EPB5220G & EPB5220G-RC



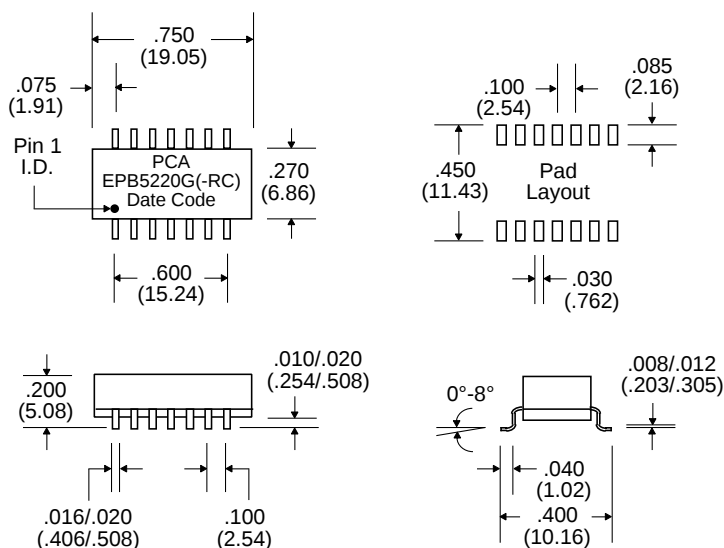
- Integrated LPF with Amplitude Equalizer
- Designed to work with Broadcom BCM3138
- Shielded Components for Improved Crosstalk
- Robust construction allows for IR/VP processes
- Add "-RC" after part number for RoHS Compliant

Electrical Parameters @ 25°C

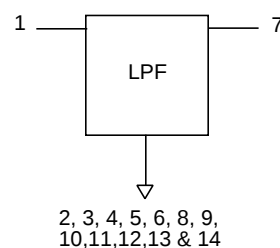
Cut-off Frequency (MHz Typ.)	Insertion Loss (dB)		Return Loss (dB Typ.)		Attenuation (dB Min.)			Group Delay (nS Max.)	Crosstalk (dB Typ.)
	1-10 MHz	60 MHz	1-10 MHz	40-75 MHz	85 MHz	100 MHz	200-300 MHz	1-73 MHz	1-75 MHz
73	-4.5 Typ.	-1.0 Max.	-8	-12	-15	-30	-20	25	-70

• Characteristic Filter Impedance : 75 W75 W •

Package



Schematic



Notes :	EPB5220G	EPB5220G-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	1.2 grams	1.2 grams
5. Packaging Information (Tube)	26 pieces/tube	26 pieces/tube
(*Add "TR" to end of part number, but in front of "-RC" when placing order) (Tape & Reel)	700 pieces/13" reel (*EPB5220GTR)	700 pieces/13" reel (*EPB5220GTR-RC)

† Hot tin dipped over Matte Tin with Ni Barrier

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