

# Low Pass Filter for Cable Modem Applications EPB5056G & EPB5056G-RC



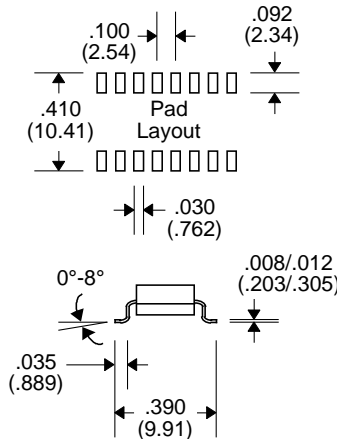
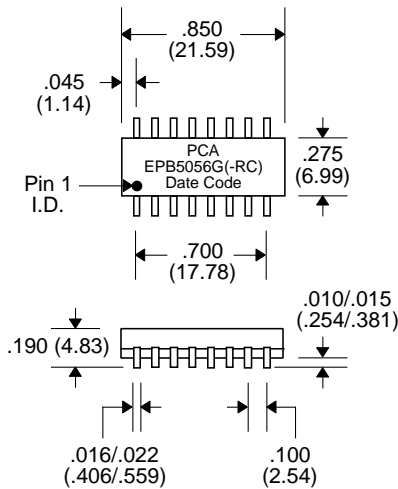
- Optimized to work with BCM3300
- Robust construction to meet IR/VP soldering processes
- Add "-RC" after part number for RoHS Compliant
- Temperature Range : -40°C to +85°C

### Electrical Parameters @ 25° C

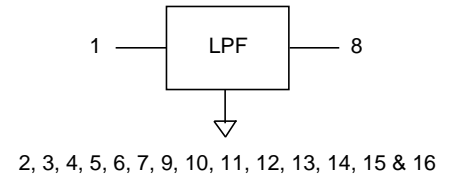
Cut-Off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		Group Delay (nS Max.)
± 0.5 MHz	1 MHz-60 MHz	1 MHz-60 MHz	@ 75 MHz	100 MHz-500 MHz	@ 65 MHz
71.5	-1.5	-10	-10	-30	30

• Characteristic Filter Impedance : 50 / 50 •

### Package



### Schematic



Notes :	EPB5056G	EPB5056G-RC
1. Lead Finish	SnPb	Matte Tin
2. Peak Temperature Rating	225°C	260°C
3. Moisture Sensitive Levels	MSL = 3 (168 Hours, 30°C/60%RH)	MSL = 4 (72 Hours, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (*Add "TR" to end of part number when placing order)	(Tube)	TBD pieces/tube
	(Tape & Reel)	TBD pieces/13" reel (*EPB5056G-TR)
		TBD pieces/13" reel (*EPB5056G-RCTR)

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