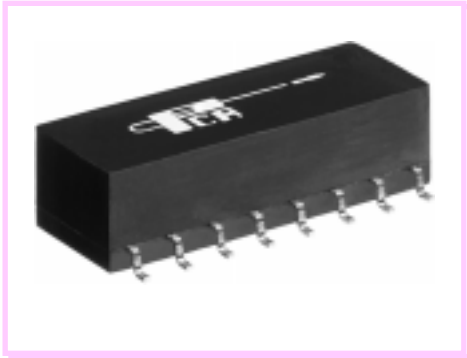


Low Pass Filter for Cable Modem Applications

EPB5056G



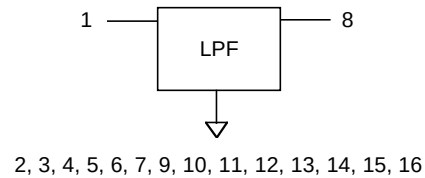
- Optimized to work with BCM3300 •
- Robust construction allows for IR/VP processes •
- Temperature Range -40°C to +85°C •

Electrical Parameters @ 25° C

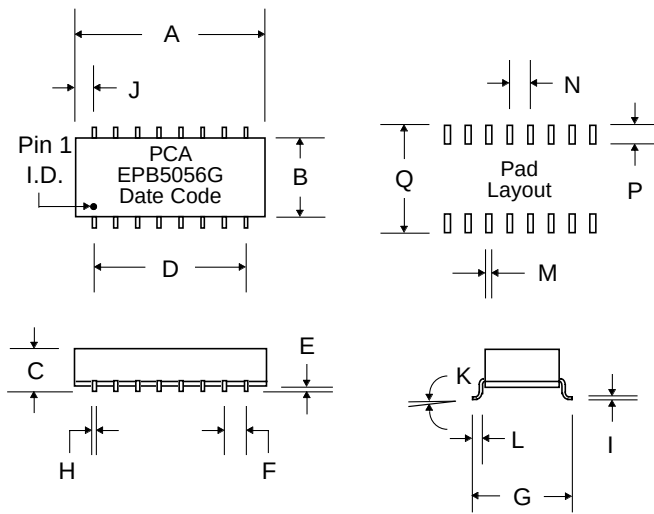
Cut-off Frequency	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		Group Delay (nS Max.)
± .5 MHz	1 MHz - 60 MHz	1 MHz - 60 MHz	75 MHz	100 MHz -500 MHz	65 MHz
71.5	-1.5	-10	-10	-30	30

- Characteristic Filter Impedance : 50 Ω / 50 Ω •

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.840	.860	.850	21.34	24.84	21.59
B	.270	.280	.275	6.86	7.11	6.99
C	.180	.200	.190	4.57	5.08	4.83
D	---	---	.700	---	---	17.78
E	.010	.020	.015	.254	.381	.381
F	---	---	.100	---	---	2.54
G	.380	.400	.390	9.65	10.16	9.91
H	.016	.022	.019	.406	.559	.457
I	.008	.012	.010	.203	.305	.254
J	---	---	.045	---	---	1.14
K	0°	8°	---	0°	8°	---
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.100	---	---	2.54
P	---	---	.092	---	---	2.34
Q	---	---	.410	---	---	10.41