

Band Pass Filter

BPF-EDU2005

Surface Mount

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

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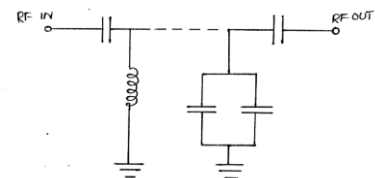
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ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 5 dB)	59.95		60.05	MHz
Centre frequency		60		MHz
Low Band (Loss > 20 dB)	DC	55		MHz
High Band (Loss > 20 dB)		67	320	MHz
Passband VSWR		1.4		(:1)
Stopband VSWR		18		(:1)

Functional Schematic

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	1W



PIN CONNECTIONS

Input	1
Output	4
Ground	2,3

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1.0	99.07	0.03	59.95	200.95
10.0	117.98	0.01	60	200.43
20.0	97.74	0.01	60.05	199.93
30.0	84.68	0.01		
40.0	65.51	0.02		
54.0	33.56	0.14		
55.0	29.83	0.20		
57.0	20.28	0.62		
58.0	13.88	1.53		
59.0	7.08	5.70		
60.0	4.36	23.27		
60.0	4.35	24.18		
60.1	4.35	24.09		
61.0	6.69	5.96		
64.0	21.29	0.42		
67.0	29.05	0.14		
68.0	30.83	0.11		
100.0	46.98	0.02		
150.0	51.64	0.04		
200.0	56.01	0.07		
260.0	65.10	0.11		
300.0	59.03	0.13		
310.0	57.41	0.14		
320.0	56.02	0.14		

Typical Performance Curves

