



# C-Band Cavity Band Pass Filter

## BPFCR5153SMA

### FEATURES

- Low Cost, High Quality
- Compact Size, Light Weight
- High Performance
- Wide Operation Temperature Range
- Octave and Multi-Octave Bands



### APPLICATIONS

- Frequency selection
- Radar/EW system
- Air borne application

### ELECTRICAL SPECIFICATIONS @25C:

RF Parameters	
Frequency Range	5100—5300MHz
RF Connectors	50Ω SMA
Insertion Loss (dB)	≤1 dB
Insertion Loss (bandwidth)	≤1.5dB
Return Loss (dB)	12dB
Rejection	≥40dB@ 4900MHz
Group Delay Time Flatness	5nsec Max
VSWR	1.3:1 Ratio
Power Handling (CW)	50 W



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### MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions(L*W*H)	104*22*17	Min	Millimeter
RF Connectors Input	SMA-F		
RF Connectors Output	SMA-F		
Impedance	50		Ohms

### Physical Dimensions:

