

**Features**

- Low Insertion Loss
- High Attenuation
- Compact Size
- SMA Connector

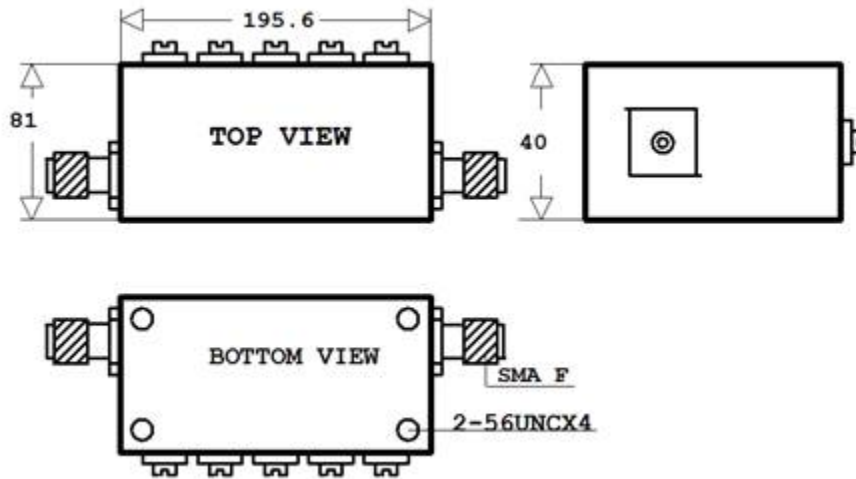
**Descriptions**

SMA connector mount cavity bandpass filter developed for ISM band applications.

**Electrical Specifications**

Parameter	Unit	Specification
Center Frequency	MHz	912.5
Passband Frequency Range	MHz	900 ~ 925
Insertion Loss in Passband	dB	1.0 max
Ripple in Passband	dB	0.5 max
Return Loss (VSWR) in Passband	dB	18 min
Attenuation	dB	10 min @ 895MHz
		10 min @ 930MHz
		60 min @ DC ~ 850MHz
		45 min @ 1800 ~ 1850MHz
Input Power	W	10 CW max
In/Out Impedance	Ohm	50
Operating Temperature	°C	-10 ~ +60
Dimensions	mm	195.6 x 81.0 x 40.0 (L x W x H)
Environmental	-	indoor
		Altitude: 30,000 ft
		Random Vibration: 6 gRMS 20~20000Hz
		Shock: 20g 11msec positive and negative saw tooth
Color / Finish	-	Silver plating per QQ-10

## Mechanical Drawing



## Electrical Response

m3  
freq=900.0MHz  
dB(S(2,2))=-25.747  
optiter=19

m4  
freq=925.0MHz  
dB(S(1,1))=-27.120  
optiter=19

m1  
freq=900.0MHz  
dB(S(2,1))=-0.685  
optiter=19

m2  
freq=925.0MHz  
dB(S(2,1))=-0.717  
optiter=19

m5  
freq=895.0MHz  
dB(S(2,1))=-18.789  
optiter=19

m6  
freq=930.0MHz  
dB(S(2,1))=-23.062  
optiter=19

