

Features

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

Descriptions

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

Electrical Specifications

Parameter	Unit	Specification
Center Frequency (Fc)	MHz	4180
3dB Passband	MHz	$F_c \pm 50\text{MHz}$ (4130 ~ 4230MHz)
Insertion Loss @Fc	dB	3.0 max
Passband Return Loss	dB	20.0 dB min
Rejection bands	dBc	40 min @ $F_c \pm 100\text{MHz}$
In / Out Impedance	Ohms	50
Power Handling	watt	2 CW max
In/Out Connector	-	SMA (F)
Dimensions	Inch	3.75x1.0x0.75 (L x W x H)

Simulation Plots

