

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- EBC connectors

Descriptions

EBC connector mount cavity bandpass 8-channel bandpass filter developed for US 3.7-3.98 GHz 5G mMIMO applications.

Electrical Specifications

Parameter	Unit	Specification
Center Frequency (Fc)	MHz	3840
Passband Frequency Range	MHz	3700 ~ 3980
Insertion Loss in Passband	dB	1.0 max over 10 MHz BW in 3.7-3.98GHz 1.0 max over 100MHz BW in 3.71-3.979GHz
Ripple		1.0 max over any 100MHz BW in 3.7-3.98GHz
Return Loss in Passband	dB	16 min
Attenuation	dB	25 min @ 467~699 MHz
		50 min @ 699~1695 MHz
		75 min @ 1695~2690 MHz
		40 min @ 2690~2806 MHz
		20 min @ 2806~3640 MHz
		20 min @ 4020~4400 MHz
		65 min @ 4400~4865 MHz
		85 min @ 4865~5925 MHz
		25 min @ 5925~7400 MHz
		50 min @ 7400~7960 MHz
		30min @ 11100~11940 MHz
		40min @ 14800~15920 MHz
35 min @ 18500~19900 MHz		
In / Out Impedance	Ohms	50
Power Handling	dBm	39 CW max; 51 peak max for each channel
Operating Temperature Range	°C	-20 ~ +95
IP Class	-	IP63 Indoor
Connector	-	EBC (f) all ports
Finish	-	Passivated Silver
Dimensions	mm	161 x 86 x 20 (L x W x H)
Weight	kg	0.8 max
ROHS	-	Compliant
MTBF	hr	150,000
Mounting	-	screws

Mechanical Dimensions

