

Features

- Low Insertion Loss
- High Attenuation
- Compact Size

Descriptions

Connector mount cavity bandpass filter developed for terrestrial wireless broadband applications.

Electrical Specifications

Parameter	Unit	Specification
Center Frequency (Fc)	MHz	3840
Passband Frequency Range	MHz	3700 ~ 3980
Insertion Loss in Passband	dB	1.3 max over 10 MHz in passband; 1.0 max over 100MHz in 3710-3979 MHz)
Ripple over any 100MHz in Passband		1.0 max
Return Loss in Passband	dB	16 min
Attenuation	dB	55 min @ 1~3300 MHz
		50 min @ 3300~3400 MHz
		25 min @ 3400~3660 MHz
		25 min @ 4020~4400 MHz
		60 min @ 4400~5000 MHz
		30 min @ 5000~5850 MHz
		60 min @ 5850~6200 MHz
		15 min @ 6200~7400 MHz
		45 min @ 7400~7960 MHz
		30 min @ 7960~11100 MHz
		40 min @ 11100~11940 MHz
		10 min @ 11940~13530 MHz
		25 min @ 13530~13811 MHz
		10 min @ 13811~14800 MHz
30 min @ 14800~15965 MHz		
5 min @ 15965~18500 MHz		
25 min @ 18500~19900 MHz		
In / Out Impedance	Ohms	50
Power Handling	dBm	39 CW max; 51 peak max
Operating Temperature Range	°C	-20 ~ +95
IP Class	-	IP63 Indoor
Connector	-	SMA (F) all ports
Finish	-	Passivated Silver
Dimensions	mm	65 x 25 x 20 (L x W x H)
Weight	g	45 max
ROHS	-	Compliant
MTBF	hr	150000
Mounting	-	screws

Mechanical Dimensions

