

Features

- Low Insertion Loss
- High Q
- High Power
- Connectorized

Descriptions

Wide band cavity triplexer with forward coupler and low PIM for 5G multiplexing applications.

Electrical Specifications

Parameter	Unit	Specification		
		Band-1	Band-2	Band-3
Center Frequency (Fc)	MHz	3750	4700	1650
Passband Frequency Range	MHz	3300 - 4200	4400 - 5000	600 - 2700
Insertion Loss in Passband	dB	1.0 dB max		
Ripple in Passband	dB	0.5 dB max		
Return Loss in Passband	dB	18.0 min		
Attenuation at Reject Band	dB	55 @ Band-2,3	55 @ Band-1,3	55 @ Band-1,2
Operating Input Power	Watt	100 CW; 1000 peak	100 CW; 1000 peak	200 CW; 1000 peak
IMD	dBc	158 typ. 155 min	158 typ. 155 min	158 typ. 155 min
Forward Coupler	dB	60 dB typ., ±10 dB in band; 10 dB RL typ., 16 dB min		
Connector	-	DIN-f ANT and Port 3, N-f Port 1 & 2, SMA-f Monitor Port		
Dimensions	mm	150.0 x 150.0 x 40.0		
Operating Temperature	°C	-20 to +85		
IP Class	-	IP63 for indoor		
MTBF	-	100k hours min		
RoHS	-	2.0		

Mechanical Drawing



