

Features

- Low Insertion Loss
- High Rejection
- High Power
- Low PIM

Descriptions

Wide band cavity triplexer with reverse and forward coupler and low PIM for 5G multiplexing applications. ANT and Port 3 on the same side.

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 typ., 16.0 min		
Attenuation at Reject Band	dB	55 @ Band-2,3	55 @ Band-1,3	55 @ Band-1,2
Attenuation at 5150-5850 MHz	dB	50	50	50
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
Reverse and Forward Coupler	dB	60 dB typ., ±10 dB in band; 18 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 180.0 x 40.0		
Operating Temperature	°C	-20 to +85		
IP Class	-	IP63 for indoor		
MTBF	-	100k hours min		
RoHS	-	2.0		

Mechanical Drawing



