

Features

- Low Insertion Loss
- High Rejection & Isolation
- High Power Handling
- Ultra-Low PIM
- N & 7/16 DIN Connector

Descriptions

Ultra-low PIM 150W cavity duplexer developed for LTE band-3 applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1747	1842
Passband Frequency Range	MHz	1710 ~ 1785	1805 ~ 1880
Insertion Loss in Passband	dB	1.5 max	1.5 max
Return Loss (VSWR) in Passband	dB	18 min	18 min
Attenuation	dB	95 min @ 1805 ~ 1880MHz	110 min @ 1710 ~1785MHz
Power Handling	dBm	150 CW max	
In/Out Impedance	Ohm	50	
IMD in Rx band, Ant port, 2 tone, +43dBm each	dBc	173 typ., 170 min.	
Operating Temperature	°C	+10 ~ +65	
Connector	-	7/16 DIN female Ant port; N female Tx/Rx port	
Dimensions	mm	235 x 137 x 48 (L x W x H)	
RoHS	-	Yes; 2.0	

Mechanical Drawing



