

Features

- 50 Watts Peak Power
- Low Insertion loss
- High Isolation
- SMA Connectors

Descriptions

High isolation cavity duplexer developed for LTE applications

Electrical Specifications

Parameter	Unit	Specification	
		Uplink	Down Link
Center Frequency	MHz	1747.5	1842.5
Passband	MHz	1710 - 1785	1805 - 1880
Insertion Loss in BW	dB	0.8 max	
Ripple in BW	dB	0.7 max	
Return Loss in BW	dB	18 min	
Attenuation	dB	90 min @ 1805 – 1880 MHz	90 min @ 1710 – 1785 MHz
IN/OUT Impedance	Ω	50	
Input Power	Watt	50 Peak	
Operating Temp. Range	$^{\circ}\text{C}$	-20 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$	
Connectors	-	SMA	
Dimensions (L x W x H)	mm	236 x 185 x 43 (excluding connectors)	

Mechanical Drawing (Preliminary)

TBD