

### 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	902.5	947.5
Passband	MHz	890~915	935~960
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 @ 925~960MHz	90 @ 890~915MHz
IN/OUT Impedance	$\Omega$	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	293 x 219 x 59 (excluding connectors)	

### Mechanical Drawing (Preliminary)

TBD