

Features

- Low Insertion Loss
- High Attenuation
- Ultra-Low PIM
- Connector Mount

Descriptions

Connector mount low PIM cavity duplexer developed for LTE band-7 applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW(RX)	HIGH(TX)
Center Frequency	MHz	2535	2655
Passband Frequency Range	MHz	Fc ±35 min (2500~2570 MHz)	Fc ±35 min (2620~2690 MHz)
Insertion Loss in Passband	dB	1.0 max	1.0 max
Ripple in Passband	dB	0.5 max	0.5 max
Return Loss (VSWR) in Passband	dB	20.0 min	20.0 min
Attenuation	dB	90 min @ 2620~2690 MHz	90 min @ 2500~2570 MHz
PIM	dBc	168 min (2 tones 43dBm)	
Power Handling	Watt	200 CW max 1500 peak	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-10 ~ +65	
Dimensions	mm	213 x 170 x 52 (L x W x H)	
Connectors	-	7/16 DIN @com Port, N-female @ TX/RX Ports	
RoHS	-	Yes	

Mechanical Drawing

