

Features

- High Q, Low Insertion Loss
- High Attenuation
- Compact Size
- SMA Connectors

Descriptions

SMA connector mount cavity duplexer developed for LTE band-8 applications.

Electrical Specifications

Parameter	Unit	Specification	
		Low (RX)	High (TX)
Center Frequency	MHz	895.5	940.5
Frequency Range	MHz	876 ~ 915	921 ~ 960
Insertion Loss in BW	dB	1.5 max	1.5 max
Passband Ripple	dB	1.0 max	1.0 max
Return Loss in BW	dB	18.0 min	18.0 min
Attenuation	dB	18 min @ 921 ~ 960 MHz	18 min @ 876 ~ 915 MHz
Power Handling	W	10 max	
IN/OUT Impedance	Ω	50	
Operating Temperature	$^{\circ}\text{C}$	-25 ~ +70	
Connectors	-	SMA Female @ All Ports	
Dimensions	mm	121 x 57 x 57 (L x W x H)	
Shock and Vibration	-	EN 61673 Cat. 1 Class B	
Environmental Requirements	-	According to EN 50155	

Mechanical Drawing

