

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- High Power Handling

Descriptions

Connector mount cavity duplexer developed for LTE band-8 high power applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW(RX)	HIGH(TX)
Center Frequency	MHz	897.5	942.5
Passband Frequency Range	MHz	$F_c \pm 17.5 \text{ min (880~915 MHz)}$	$F_c \pm 17.5 \text{ min (925~960 MHz)}$
Insertion Loss in Passband	dB	1.8 max	1.8 max
Ripple in Passband	dB	1.0 max	1.0 max
Return Loss (VSWR) in Passband	dB	18.0 min	18.0 min
Attenuation	dB	60 min @ 925~960MHz	60 min @ 880~915MHz
Isolation	dB	60 min	
Power Handling	Watt	120 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-20 ~ +70	
Dimensions	mm	162 x 147 x 47 (L x W x H)	
Connectors	-	N-female ANT port; SMA-female DL/UL ports	
RoHS	-	Yes	

Mechanical Drawing

