

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- Low PIM
- Din&N Connector Mount

Descriptions

Din&N connector mount low PIM cavity duplexer developed for LTE band-1 applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1950	2140
Passband Frequency Range	MHz	$F_c \pm 30$ (1920 ~ 1980MHz)	$F_c \pm 30$ (2110 ~ 2170MHz)
Insertion Loss in Passband	dB	0.4 max	0.4 max
Ripple in Passband	dB	0.2 max	0.2 max
Return Loss (VSWR) in Passband	dB	20 min	20 min
Attenuation at Reject Band	dB	91 min @ 2110 ~ 2170MHz	91 min @ 1920 ~ 1980MHz
PIM	dBc	160 min, 2-tone@+43dBm	
In/Out Impedance	Ohm	50	
Power Handling	Watt	50.0 CW max, 500 peak	
Temperature Range	°C	-20 ~ +55	
Dimensions	mm	146.0 x 111.0 x 45.0(L x W x H)	

Mechanical Drawing

