

Features

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

Descriptions

N connector mount cavity duplexer developed for n25 5G NR applications.

Electrical Specifications

Parameter	Unit	Specification	
		Downlink	Uplink
Center Frequency	MHz	1882.5	1962.5
Passband Frequency Range	MHz	Fc ±32.5 min (1850~1915MHz)	Fc ±32.5 min (1930~1995MHz)
Insertion Loss in Passband	dB	1.8 max; 1.5 typ.	1.8 max; 1.5 typ.
Ripple in Passband	dB	1.5 max; 1.2 typ.	1.5 max; 1.2 typ.
Return Loss (VSWR) in Passband	dB	10 min; 14 typ.	10 min; 14 typ.
Attenuation	dB	50 min; 55 typ. @ 1~ 1829 MHz	45 min; 55 typ. @ 50~ 1800 MHz
		85 min @ 1930~ 1995 MHz	85 min @ 1850~ 1915 MHz
		-	10 min; 15 typ. @ 2005~2020 MHz
		50 min; 55 typ. @ 1996~ 12750 MHz	55 min; 60 typ. @ 2100~ 12750 MHz
Isolation	dB	85 min	
Power Handling	Watt	80 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +125	
Dimensions	mm	280 x 167 x 40 (L x W x H)	
Connector	-	N-female all ports	

Mechanical Drawing



