

Features

- Low Insertion Loss
- High Attenuation
- Low PIM
- B20 + B28 in one box
- N Connector Mount

Descriptions

N connector mount cavity duplexer developed for combined LTE band-20 and band-28 applications.

Electrical Specifications

Parameter	Unit	Specification	
		Downlink	Uplink
Center Frequency B20	MHz	806	847
Passband Frequency Range	MHz	Fc ±15 min (791~821MHz)	Fc ±15 min (832~862MHz)
Insertion Loss in Passband	dB	1.5 max	1.5 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	70 min @ 832~862MHz	70 min @ 791~821MHz
Center Frequency B28	MHz	725	780
Passband Frequency Range	MHz	Fc ±22.5 min (703~748MHz)	Fc ±22.5 min (758~803MHz)
Insertion Loss in Passband	dB	1.6 max	1.6 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	70 min @ 758~803MHz	70 min @ 703~748MHz
Isolation of Low and High Band, B20 & B28	dB	70 min	
PIMD	dBc	143 typ., 140 min @ 43dBm 2Tone	
Power Handling	Watt	30 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions	mm	160 x 250 x 44 (L x W x H)	
Weight	Kg	4.0 max	
Color	-	Aluminum Natural Color	
RoHS	-	Yes	

Mechanical Drawing

