

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- SMA Connector Mount

Descriptions

SMA connector mount cavity multiplexer developed for LTE bands applications.

Electrical Specifications

Parameter	Unit	Specification			
		LTE 700MHz UL		LTE 700MHz DL	CELL 800MHz UL
Center Frequency	MHz	707	782	742.5	834
Passband Frequency Range	MHz	698~716	777~787	728~757	819~849
Insertion Loss in Passband	dB	1.8 max			1.8 max
Ripple in Passband	dB	1.2 max			1.2 max
Return Loss (VSWR) in Passband	dB	18.0 min			18.0 min
Isolation	dB	80 min			80 min

Electrical Specifications

Parameter	Unit	Specification			
		CELL 800MHz UL	PCS UL	PCS DL	AWS UL
Center Frequency	MHz	879	1882.5	1962.5	1732.5
Passband Frequency Range	MHz	864~894	1850~1915	1930~1995	1710~1755
Insertion Loss in Passband	dB	1.8 max	1.8 max		1.8 max
Ripple in Passband	dB	1.2 max	1.2 max		1.2 max
Return Loss (VSWR) in Passband	dB	18.0 min	18.0 min		18.0 min
Isolation	dB	80 min	80 min		80 min

Electrical Specifications

Parameter	Unit	Specification		
		AWS DL	LTE Band-7 UL	LTE Band-7 DL
Center Frequency	MHz	2132.5	2535	2655
Passband Frequency Range	MHz	2110~2155	2500~2570	2620~2690
Insertion Loss in Passband	dB	1.8 max	1.8 max	
Ripple in Passband	dB	1.2 max	1.2 max	
Return Loss (VSWR) in Passband	dB	18.0 min	18.0 min	
Isolation	dB	80 min	80 min	

General Specifications

Power Handling	Watt	20 CW max
In/Out Impedance	Ohm	50
Operating Temperature	°C	-20 ~ +70
Connectors	-	SMA-Female @ All Ports
Dimensions	mm	230 x 220 x 100 (L x W x H)
RoHS	-	YES

Mechanical Drawing

