

## 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 Band-20 DL	LTE Band-20 UL	LTE Band-8 UL
Center Frequency	MHz	806	847	897.5
Passband Frequency Range	MHz	791~821	832~862	880~915
Insertion Loss in Passband	dB	1.6 max	1.6 max	1.6 max
Ripple in Passband	dB	1.2 max	1.2 max	1.2 max
Return Loss (VSWR) in Passband	dB	16.0 min	16.0 min	16.0 min
Isolation	dB	100 min	100 min	100 min

## Electrical Specifications

Parameter	Unit	Specification			
		LTE Band-8 DL	LTE Band-3 UL	LTE Band-3 DL	LTE Band-1 UL
Center Frequency	MHz	942.5	1747.5	1842.5	1950
Passband Frequency Range	MHz	925~960	1710~1785	1805~1880	1920~1980
Insertion Loss in Passband	dB	1.6 max	1.6 max	1.6 max	1.3 max
Ripple in Passband	dB	1.2 max	1.2 max	1.2 max	1.0 max
Return Loss (VSWR) in Passband	dB	16.0 min	16.0 min	16.0 min	16.0 min
Isolation	dB	100 min	100 min	100 min	100 min

## Electrical Specifications

Parameter	Unit	Specification		
		LTE Band-1 DL	LTE Band-7 UL	LTE Band-7 DL
Center Frequency	MHz	2140	2535	2655
Passband Frequency Range	MHz	2110~2170	2500~2570	2620~2690
Insertion Loss in Passband	dB	1.0 max	1.3 max	1.3 max
Ripple in Passband	dB	0.8 max	0.8 max	0.8 max
Return Loss (VSWR) in Passband	dB	16.0 min	16.0 min	16.0 min
Isolation	dB	100 min	100 min	100 min

## General Specifications

Power Handling	Watt	50 CW max
In/Out Impedance	Ohm	50
Operating Temperature	°C	-30 ~ +85
Connectors	-	N-F @ Common Port, SMA-Female @ All Other Ports
Dimensions	mm	250 x 240 x 95 (L x W x H)
RoHS	-	YES

## Mechanical Drawing

