

Features

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

Descriptions

N & SMA connector mount cavity multiplexer developed for LTE bands applications.

Electrical Specifications

Parameter	Unit	Specification			
		CELL 800MHz UL	CELL 800MHz DL	PCS UL	PCS DL
Center Frequency	MHz	836.5	881.5	1882.5	1962.5
Passband Frequency Range	MHz	824~849	869~894	1850~1915	1930~1995
Insertion Loss in Passband	dB	1.5 max		1.5 max	
Ripple in Passband	dB	1.2 max		1.2 max	
Return Loss in Passband	dB	15.0 min		15.0 min	
Attenuation	dB	80@700~800MHz	80@700~800MHz	80@700~1760MHz	80 @700~1760MHz
		100@869~894MHz	100@824~849MHz	100@1930~1995MHz	100@1850~1915MHz
		80@900~2200MHz	80@920~2200MHz	80@2000~2200MHz	80@2060~2200MHz
Isolation	dB	62 min @ 859 ~ 860MHz, 100 @ Fc			

Electrical Specifications

Parameter	Unit	Specification	
		AWS UL	AWS DL
Center Frequency	MHz	1732.5	2132.5
Passband Frequency Range	MHz	1710~1755	2110~2155
Insertion Loss in Passband	dB	1.5 max	
Ripple in Passband	dB	1.2 max	
Return Loss in Passband	dB	15.0 min	
Attenuation	dB	80@700~1500MHz	80@700~1500MHz
		80@1800~2000MHz	100@1710~1755MHz
		100@2110~2155MHz	80@1800~2000MHz
Isolation	dB	65 min @ 1932 ~ 1933MHz	

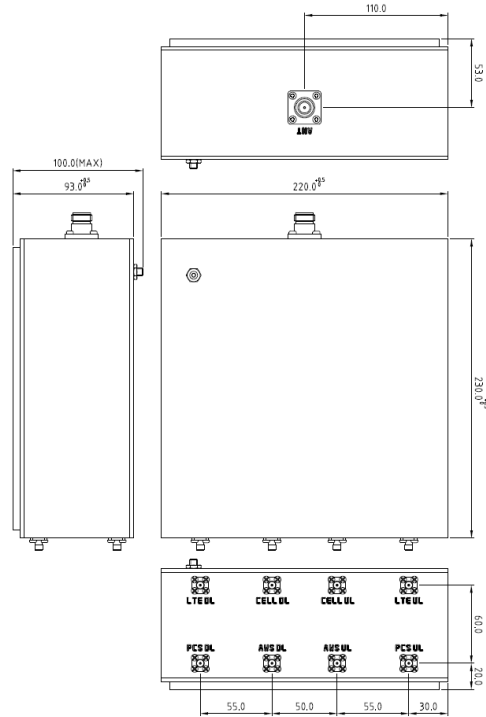
Electrical Specifications

Parameter	Unit	Specification		
		LTE 700MHz UL		LTE 700MHz DL
Center Frequency	MHz	707	707	742.5
Passband Frequency Range	MHz	698~716	698~716	728 ~ 757
Insertion Loss in Passband	dB	1.5 max	1.5 max	1.5 max
Ripple in Passband	dB	1.2 max	1.2 max	1.2 max
Return Loss in Passband	dB	15.0 min		15.0 min
Attenuation	dB	100@728~757MHz		100@698~716MHz
		25@763~775MHz		100@777~787MHz
		80@820~2200MHz		80@820~2200MHz
Isolation	dB	65 min @ 766-767 MHz, 62dB min @ 722-723 MHz, 100dB @center frequency		

General Specifications

Power Handling	Watt	20 CW max
In/Out Impedance	Ohm	50
Minimum isolation between DL and UL ports within a Service in the Center frequency	dB	100 critical
Attenuation @100MHz ~ 678MHz, all ports to common port	dB	50
Attenuation @ 2200MHz~2600MHz, all ports to common port	dB	50
Connectors (I/O)	-	SMA, 8 connectors
ANT port	-	N-Type, 1 connector
Operating Temperature	°C	-20 ~ +70
Dimensions	mm	230 x 220 x 100 (L x W x H)
RoHS	-	YES

Mechanical Drawing



Electrical Responses

