

### Features

- High Q, Low Insertion Loss
- High Attenuation
- Compact Size
- N and SMA Connectors

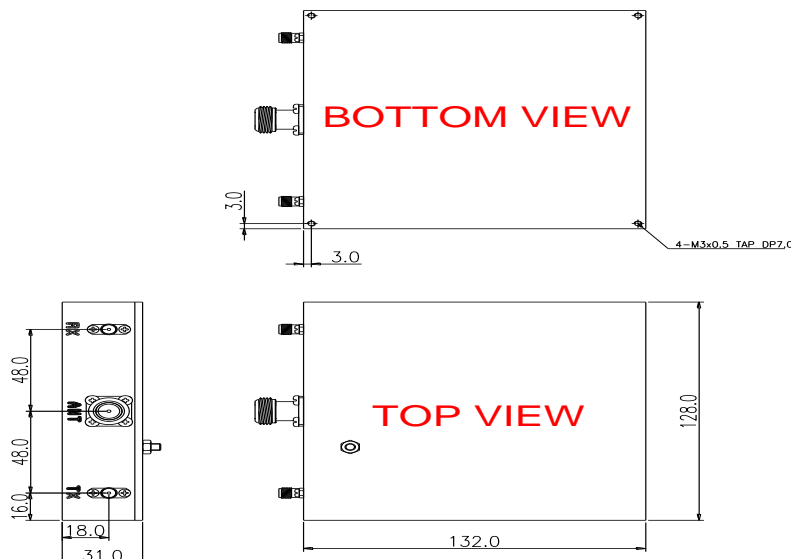
### Descriptions

Connector mount cavity duplexer developed for LTE band-2 applications.

### Electrical Specifications

Parameter	Unit	Specification	
		Low (RX)	High (TX)
Center Frequency	MHz	1880	1960
Frequency Range	MHz	1850 ~ 1910	1930 ~ 1990
Insertion Loss in BW	dB	1.5 max (1.0 typical)	1.0 max (0.7 typical)
Passband Ripple	dB	1.0 max (0.8 typical)	0.8 max (0.5 typical)
Return Loss in BW	dB	18.0 min (20.0 typical)	18.0 min (20.0 typical)
Attenuation	dB	60 min @ 0 ~ 1700 MHz	60 min @ 0 ~ 1850 MHz
		65 min @ 1930 ~ 1990 MHz	50 min @ 1850 ~ 1910 MHz
		60 min @ 2110 ~ 2170 MHz	50 min @ 2110 ~ 2170 MHz
		70 min @ 2400 ~ 2483 MHz	60 min @ 2400 ~ 2483 MHz
		70 min @ 2495 ~ 2686 MHz	60 min @ 2495 ~ 2686 MHz
		60 min @ 5725 ~ 5845 MHz	60 min @ 5725 ~ 5845 MHz
		60 min @ 5845 ~ 11800 MHz	60 min @ 5845 ~ 11800 MHz
Power Handling	dBm	-	46 max
IN/OUT Impedance	$\Omega$	50	
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +85	
Connectors	-	N Female @ ANT, SMA Female @ RX & TX	
Dimensions	mm	132.0 x 128.0 x 31.0 (L x W x H)	
Finish	-	Black Epoxy Painting	

### Mechanical Drawing



## Electrical Response

