

### Features

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

### Descriptions

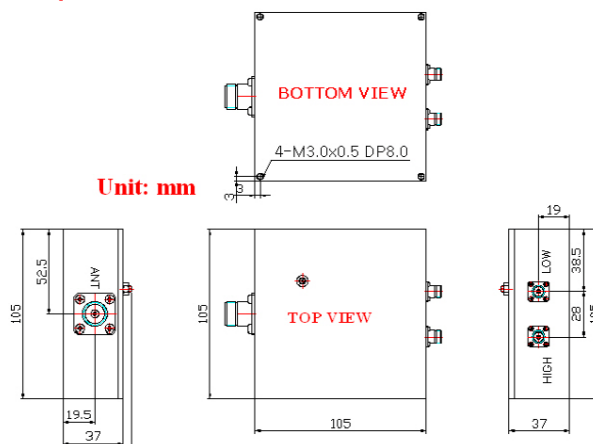
N connector mount cavity duplexer developed for LTE band-2 applications without lowpass filter.

### 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	1.8 max	1.8 max
Passband Ripple	dB	1.0 max	1.0 max
Return Loss in BW	dB	20.0 max	20.0 max
Attenuation	dB	60 min @ 0 ~ 1700 MHz	60 min @ 0 ~ 1850 MHz
		70 min @ 1930 ~ 1990 MHz	70 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
		50 min @ 2686 ~ 5000 MHz	50 min @ 2686 ~ 5000 MHz
Isolation	dB	55 min @ 1850 ~ 1990 MHz	
Differential Group Delay	ns	80 max	
Power Handling	W	20 avg, 50 max	
PIMD	dBc	-160 min @ 2 x 10 W	
Lightning Protection	-	3 kA, 10/350 ms	
IN/OUT Impedance	$\Omega$	50	
Operating Temperature	$^{\circ}$ C	-20 ~ +85	
Connectors	-	N Female @ ANT, SMA Female @ RX & TX	
Dimensions	mm	105 x 105 x 45 (L x W x H)	
Finish	-	Black Epoxy Painting	

### Mechanical Drawing

■ Dimension [Unit: mm]



## Electrical Response

### Simulation Graphs

