

Features

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

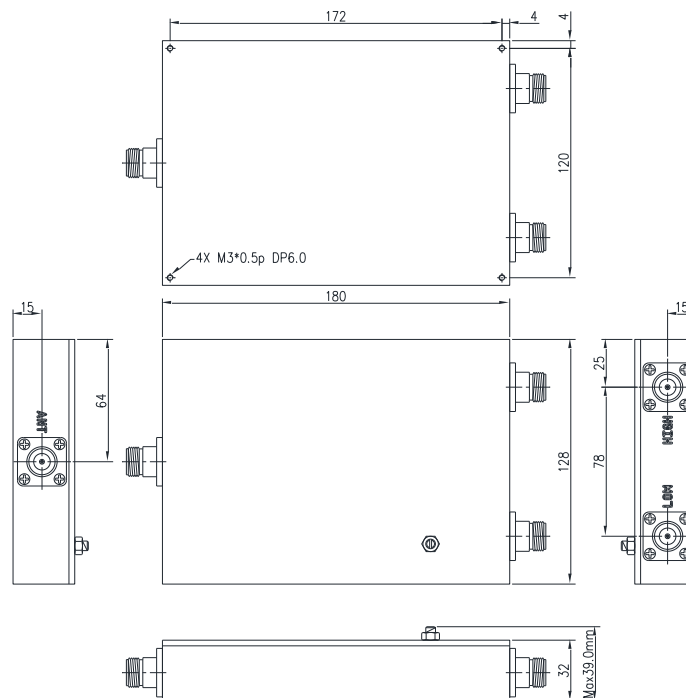
Descriptions

Connector mount cavity duplexer developed for LTE band-3 applications.

Electrical Specifications

Parameter	Unit	Specification	
		Low (RX)	High (TX)
Center Frequency	MHz	1747.5	1842.5
Frequency Range	MHz	1710 ~ 1785	1805 ~ 1880
Insertion Loss in BW	dB	0.7 max	0.7 max
Passband Ripple	dB	0.5 max	0.5 max
Return Loss in BW	dB	20.0 min	20.0 min
Attenuation	dB	80 min @ 1805 ~ 1880 MHz	80 min @ 1710 ~ 1785
Power Handling	W	20 avg, 200 peak over TX band	
IN/OUT Impedance	Ω	50	
Operating Temperature	$^{\circ}\text{C}$	-40 ~ +85	
Connectors	-	N Female @ ANT & TX, SMA Female @ RX	
Dimensions	mm	128 x 180 x 32 (L x W x H)	
RoHS	-	Compliant	

Mechanical Drawing



Electrical Response

