

Features

- Low Insertion Loss
- High Attenuation
- Ultra-Low PIM
- Connector Mount

Descriptions

Connector mount low PIM cavity duplexer developed for LTE band-18 applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW(RX)	HIGH(TX)
Center Frequency	MHz	822.5	867.5
Passband Frequency Range	MHz	$F_c \pm 7.5$ min (815~830 MHz)	$F_c \pm 7.5$ min (860~875 MHz)
Insertion Loss in Passband	dB	1.2 max	1.2 max
Ripple in Passband	dB	0.5 max	0.5 max
Return Loss (VSWR) in Passband	dB	20.0 min	20.0 min
Attenuation	dB	95 min @ 860~875 MHz	100 min @ 815~830 MHz
PIM	dBc	170 min (2 tones 43dBm)	
Power Handling	Watt	200 CW max 1500 peak	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-10 ~ +65	
Dimensions	mm	282 x 222 x 55 (L x W x H)	
Connectors	-	7/16 DIN @com Port, N-female @ TX/RX Ports	
RoHS	-	Yes	

Mechanical Drawing

