

Features

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

Descriptions

SMA connector mount cavity duplexer

Electrical Specifications

Parameter	Unit	Specification	
		Low (RX)	High (TX)
Center Frequency	MHz	3442.5	3542.5
Frequency Range	MHz	3435 ~ 3450	3535 ~ 3550
Insertion Loss in BW	dB	1.5 max	1.5 max
Passband Ripple	dB	0.5 max	0.5 max
V.S.W.R. in Bandwidth	dB	1.5 max	1.5 max
Attenuation	dB	40 @ < 2500 MHz	40 @ < 2500 MHz
		15 @ 3522, 3563	35 @ 3314, 3329
		50 @ 3295, 3310	50 @ 2951, 2966
		50 @ 3055, 3070	50 @ 3535, 3550
		80 @ 3435, 3450	40 @ > 4000
		40 @ > 4000, < 18000	
Isolation	dB	50 min @ 3535 ~ 3550 MHz	80 min @ 3435 ~ 3450 MHz
IN/OUT Impedance	Ω	50	
Operating Temperature	$^{\circ}\text{C}$	-40 ~ +70	
Connectors	-	SMA female @ All Ports	
Dimensions	mm	104 x 63 x 26 (L x W x H)	

Mechanical Drawing

