

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- Surface Mount

Descriptions

Surface mount ceramic duplexer developed for L band applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1030	1090
Passband Frequency Range	MHz	$F_c \pm 7.5$ (1022.5 ~ 1037.5)	$F_c \pm 7.5$ (1082.5 ~ 1097.5)
Insertion Loss in Passband	dB	2.5 max (2.0 typ.)	2.5 max (2.0 typ.)
Ripple in Passband	dB	1.0 max (0.5 typ.)	1.0 max (0.5 typ.)
Return Loss (VSWR) in Passband	dB	15 min	15 min
Attenuation at Reject Band	dB	55 min @ 510 MHz	55 min @ 570 MHz
		50 min @ 770 MHz	45 min @ 850 MHz
		37 min @ 980 MHz	37 min @ 1040 MHz
		37 min @ 1080 MHz	37 min @ 1140 MHz
		55 min @ 1280 MHz	55 min @ 1340 MHz
		45 min @ 1450 MHz	
Power Handling	Watt	1 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions	mm	15.6 x 8.5 x 3.8 (L x W x H)	

Mechanical Drawings

