

Features

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

Descriptions

Surface mount ceramic duplexer developed for GPS / GNSS L band applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1230	1577
Passband Frequency Range	MHz	$F_c \pm 70$ (1160 ~ 1300MHz)	$F_c \pm 33$ (1544 ~ 1610MHz)
Insertion Loss in Passband	dB	2.1 max	2.1 max
Ripple in Passband	dB	1.2 max	1.2 max
Return Loss (VSWR) in Passband	dB	15 min	16 min
Attenuation at Reject Band	dB	32 min @ 664 ~ 804 MHz	50 min @ 1216 ~ 1283MHz
		20 min @ 806 ~ 1100 MHz	50 min @ 1336 ~ 1443MHz
		20 min @ 1100 MHz	10 min @ 1526 ~ 1536MHz
		15 min @ 1319 ~ 1458MHz	15 min @ 1626 ~ 1636MHz
		40 min @ 1459 ~ 1487MHz	30 min @ 1670 ~ 1680MHz
		50 min @ 1526 ~ 1610MHz	32 min @ 2032 ~ 2098MHz
		55 min @ 1626MHz	
In/Out Impedance	Ohm	50	
Power Handling	Watt	3.0 CW max	
Group Delay Variation	nS	15 max	
Operating Temperature	°C	-40 ~ +85	
Dimensions	mm	41.0 x 46.0 x 14.5 (L x W x H)	

Mechanical Drawing

