

Features

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

Descriptions

Surface mount ceramic duplexer developed for GPS 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	2.0 max	2.0 max
Ripple in Passband	dB	1.0 max	1.0 max
Return Loss (VSWR) in Passband	dB	18 min	18 min
Attenuation at Reject Band	dB	30 min @ 664 ~ 804MHz	35 min @ 1216 ~ 1283MHz
		30 min @ 1318 ~ 1526MHz	30 min @ 1377 ~ 1444MHz
		40 min @ 1526 ~ 1636MHz	20 min @ 1526 ~ 1536MHz
		40 min @ 1670 ~ 1680MHz	20 min @ 1626 ~ 1636MHz
In/Out Impedance	Ohm	50	
Power Handling	Watt	5.0 CW max	
Operating Temperature	°C	-30 ~ +85	
Dimensions	mm	41 x 46 x 13.5(L x W x H)	

Mechanical Drawing

