

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	1575
Passband Frequency Range	MHz	$F_c \pm 70$ (1160 ~ 1300MHz)	$F_c \pm 30$ (1545 ~ 1615MHz)
Insertion Loss in Passband	dB	1.0 max	1.0 max
Ripple in Passband	dB	0.5 max	0.5 max
Return Loss (VSWR) in Passband	dB	15 min	15 min
Attenuation at Reject Band	dB	20 min @ 664 ~ 804MHz	12 min @ 1160 ~ 1300MHz
		5 min @ 1318 ~ 1459MHz	5 min @ 1626 ~ 1636MHz
			24 min @ 1670 ~ 1680MHz
			20 min @ 2026 ~ 2097MHz
Group Delay in Passband	ns	5 max	5 max
Isolation	dB	30 min	
In/Out Impedance	Ohm	50	
Power Handling	Watt	3.0 CW max	
Operating Temperature	°C	-40 ~ +85	
Dimensions	mm	34.4 x 17.0 x 9.5(L x W x H)	

Mechanical Drawing

