

Features

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

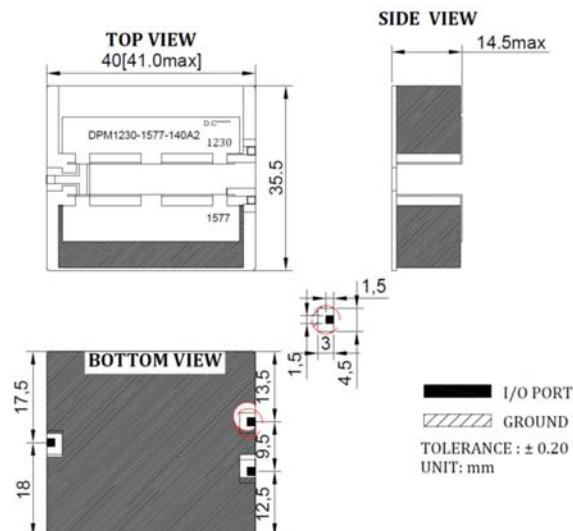
Descriptions

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

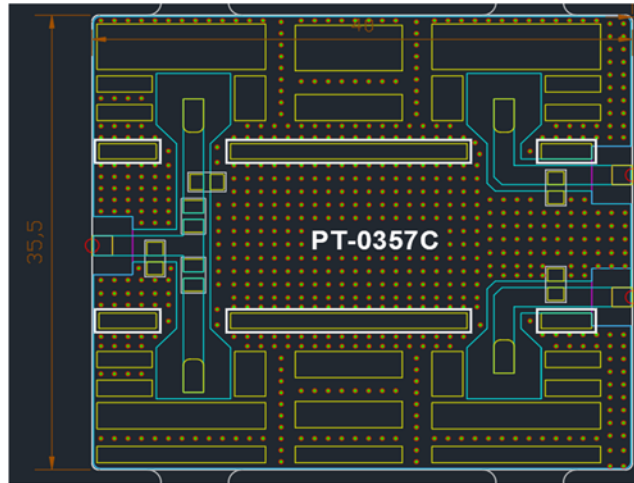
Electrical Specifications

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	2.0 max	2.2 max
Ripple in Passband	dB	1.0 max	1.5 max
Return Loss (VSWR) in Passband	dB	15 min	15 min
Attenuation at Reject Band	dB	35 min @ 664 ~ 804 MHz	35 min @ 664 ~ 804 MHz
		20 min @ 806 ~ 1100 MHz	50 min @ 1216 ~ 1283 MHz
		25 min @ 1103 ~ 1127 MHz	50 min @ 1377 ~ 1444 MHz
		20 min @ 1131.6 MHz	20 min @ 1526 ~ 1536 MHz
		18 min @ 1319 ~ 1525 MHz	20 min @ 1626 ~ 1636 MHz
		40 min @ 1526 ~ 1636 MHz	30 min @ 1670 ~ 1680 MHz
		40 min @ 1670 ~ 1680 MHz	35 min @ 2030 ~ 2100 MHz
In/Out Impedance	Ohm	50	
Power Handling	Watt	3.0 CW max	
Group Delay Variation	nS	18 LB; 30 HB max	
Operating Temperature	°C	-40 ~ +85	
Dimensions	mm	41.0 x 35.5 x 14.5 (L x W x H) max	

Mechanical Drawing



PCB Layout



Electrical Performance

