

Features

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

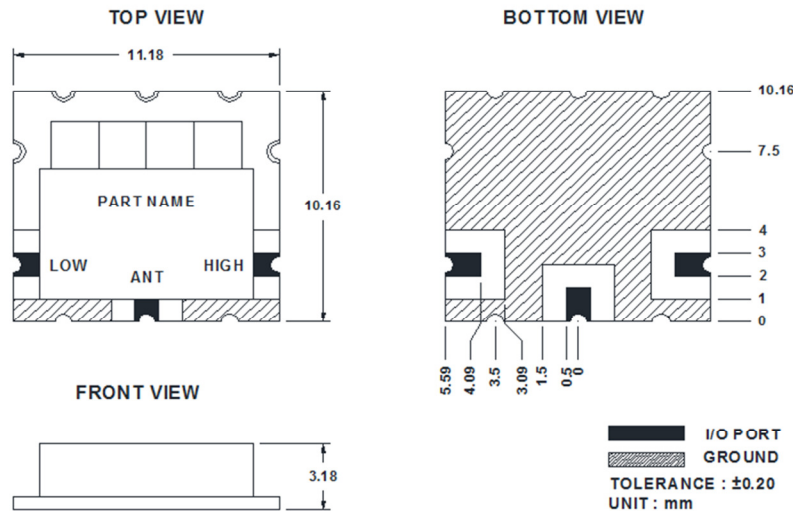
Descriptions

Surface mount ceramic duplexer developed for GPS applications.

Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1227	1555
Passband Frequency Range	MHz	$F_c \pm 10$ (1217~1237 MHz)	$F_c \pm 30$ (1525~1585 MHz)
Insertion Loss in Passband	dB	1.3 max	1.0 max
Ripple in Passband	dB	0.3 max	0.3 max
Return Loss (VSWR) in 80% of Passband	dB	1.5:1 max	1.5:1 max
Attenuation	dB	3.0 min @ 1180MHz 30.0 min @ 1525~1585MHz	30.0 min 1217~1237MHz
Power Handling	Watt	1.0 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-20 ~ +70	
Dimensions (max)	mm (inch)	11.18 x 10.16 x 3.18 (0.44" x 0.40" x 0.125")	

Mechanical drawing



Electrical Response

