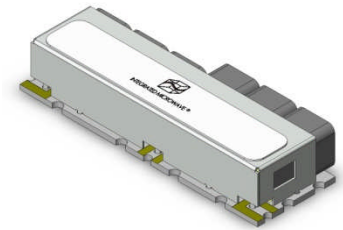


## GPS (L1, L2 band) Diplexer – 6 Pole

### Features/Benefits

- High Q ceramic
- Surface mount
- Low cost
- RoHS-compliant version available



Parameter	Specification	
	<b>L1 Channel</b>	<b>L2 Channel</b>
Center Frequency (Fo)	1575.42 MHz	1227.6 MHz
Insertion Loss	< 1.6 dBa over PB < 0.5 dBc over PB	< 1.6 dBa over PB < 0.5 dBc over PB
Passband (PB)	1575.4 ± 12 MHz, min	1227.6 ± 12 MHz, min
Return Loss	14 dB over 100% of the PB	14 dB over 100% of the PB
Group Delay	6 ns Max variation over PB	6 ns Max variation over PB
Rejection	-15 dBc min @ Fo ± 50 MHz -19 dBc min @ Fo ± 60 MHz -24 dBc min @ Fo ± 70 MHz -40 dBc min @ Fo ± 135 MHz -52 dBc min @ 960 MHz, 2000 MHz -32 dBc min @ 1315 MHz, Fo ± 100 MHz -15 dBc min @ 1625.42 MHz -40 dBc min @ 2000 – 2500 MHz	-24 dBc min @ Fo ± 60 MHz -32 dBc min @ Fo ± 70 MHz -35 dBc min @ Fo ± 100 MHz -40 dBc min @ Fo ± 135 MHz -52 dBc min @ 960 MHz, 2000 MHz -19 dBc min @ 1277.6 MHz -40 dBc min @ 2000 – 2500 MHz
Package Outline	IMC Document Number 622411	
Temperature, Operating	-40 C to +85 C	
Temperature, Storage	-55 C to +125 C	
Temperature, Soldering	+215 C MAX (use convective reflow)	
Mechanical Dimensions	1.530 x 0.600 x 0.290 inches [38.86 x 15.24 x 7.37 mm]	

