



# Model Number L54144 GPS Dual filter

Rev A  
2/15/06

**Features:**

- Cavity Design
- Low Loss

**Applications:**

- Mobile
- Airborne
- Test Equipment



**Package size:**

- 1.0 x 3.0 x 3.0"

(Please see outline for exact dimensions)

Specifications:	L2	L1
Passband	1227.6 +/- 12 MHz	1575.42 +/- 12 MHz
Insertion Loss	0.5 dB	0.5 dB
Insertion Loss Variation	0.1	0.1
Insertion Loss Tracking	0.1 Between any filter	0.1 Between any filter
L1-L2 Loss Tracking	0.2 dB	0.2 dB
VSWR (Input/Output)	1.5:1	1.5:1
Rejection	25 dBc @ 1167.6 MHz 25 dBc @ 1287.6 MHz 25 dBc @ 1515.42 MHz 25 dB @ 1635.42 MHz 45 dBc from 2000-2500 MHz	25 dBc @ 1167.6 MHz 25 dBc @ 1287.6 MHz 25 dBc @ 1515.42 MHz 25 dB @ 1635.42 MHz 45 dBc from 2000-2500 MHz
Group Delay Variation	+/- 2nS Over Passband	+/- 2nS Over Passband
Group Delay Unit-to Unit Tracking	1 nS Maximum	1 nS Maximum
RF power Handling	1 Watt CW Inband < 2000 MHz 330W peak <2000 MHz 450 W Peak	1 Watt CW Inband < 2000 MHz 330W peak <2000 MHz 450 W Peak
Connectors	SMA Female (In) SMA Male (Out)	
Operating Temperature	-40 - +60 C	



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By	Checked