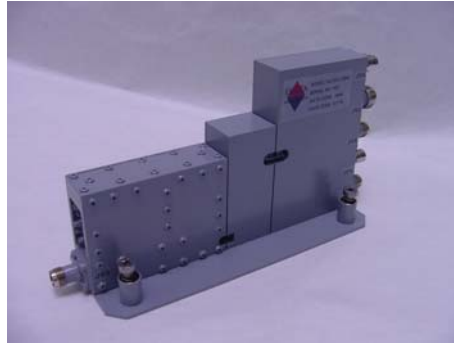




Model Number DC-L9002

GPS Downconverter

Rev. B
08/21/12



Features:

- Low Noise Figure
- High Dynamic Range
- External LO Option

Applications:

- Maritime
- Airborne
- Mobile
- Timing
- Test Equipment

Package size:

- Please see outline drawing

Specifications: (+25C)

GPS Input Frequencies	L1 and L2
Gain at J1 to J2 IF output (L1 Channel) and J1 to J3 IF output (L2 Channel)	20 ± 5 dB
Input VSWR at J1	2:1 Maximum over a 30 MHz bandwidth centered at L1 and L2
Output VSWR at J2 and J3	2:1 Maximum over a 20.43 MHz bandwidth centered at the IF frequency (173.9 MHz)
Isolation (J2/J3)	36 dB Minimum
Bandwidths:	
J1 to J2 (3 dB Bandwidth)	20 MHz Minimum
J1 to J3 (3 dB Bandwidth)	20 MHz Minimum
J1 to J2 (40 dB Bandwidth)	140 MHz Minimum
J1 to J3 (40 dB Bandwidth)	140 MHz Minimum
Noise Figure (J1-J2)	4.25 dB Maximum
Noise Figure (J2-J3)	4.25 dB Maximum
Group Delay Variation between L1 and L2 channels	2ns Maximum
1 dB Gain Compression at J2 and J3	-74 dBw Minimum
J3 to J6 DC Voltage	-12.6 V _{DC}
J2 to J1 DC Voltage	+20 V _{DC}
Current Draw	140 mA
Port Designations and Associated Connectors	J01 (TNC Female); J02 (N female); J03 (TNC Female); J04 (TNC Female); J05 (BNC Female)

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By

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