

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Model Number L5633
GPS Filter/Amplifier

Rev C
06/15/12



Parameter	L1 Channel	L2 Channel
Center Frequency	1575.4 MHz	1227.6 MHz
1 dB Bandwidth	24 MHz minimum	24 MHz minimum
80 dB Bandwidth	200 MHz minimum	200 MHz minimum
Center Frequency Gain	25 ± 3 dB	25 ± 3 dB
Gain Match between L1 and L2	Within 2 dB	
Rejection	80 dB minimum for all frequencies between 100 MHz and 10GHz that are greater than + 100 MHz from L1 and L2. 65 dB minimum from 10 GHz to 12 GHz	
Group Delay Variation, L1 and L2	5 ns maximum, unit to unit	
Passband Noise Figure	4.1 dB maximum at ± 10 MHz from L1 and L2 (4.5 dB at elevated temperature)	
VSWR	1.5:1 referenced to 50 Ohms	
DC Power	+8.7 to +22.0 VDC, 0.06 Amps maximum through the RF Output Connector	
Ripple and Noise	0.25V Peak-to-Peak, maximum	
Transient Excursion	0.2 V for 0.2 seconds, maximum	
In-Band Power Handling	+10 dBm for 1 minute	
Out-Of-Band Power Handling	+ 33 dBm without damage (at least 100 MHz removed from L1 or L2)	
Continuous Operating Temperature	- 55 to + 85 °C	
Elevated Temperature	+ 85 to + 95 °C for 10 minutes, maximum	
Non-Operating Temperature	- 55 to + 125 °C	
Altitude	70,000 feet	
Humidity	100 %, Condensing	
Sand and Dust	MIL-STD- 810, Method 510.1, Procedure I	
Salt Spray	MIL-STD- 810, Method 510.1, Procedure I	
Non-Operating Salt Water Immersion	One hour immersion per MIL-STD-810, Method 512.1, Procedure III	
Shock	20 g and time 11 ms per MIL-STD-810, Test Method 516.2, Procedure I	
Rain	MIL-STD-810, Test Method 506.1, Procedure I	
Weight	0.5 pounds, maximum	
Active Component Screening	MIL-STD-883	
MTBF	100,000 hours per MIL-HDBK-217 for Airborne, Uninhabited, Fighter Environment	
Finish	Haze Gray per MIL-P-24441, Type 1	
Connectors	SMA Female	

Features:

- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discrete Amplifier
- Excellent Out-of-Band Rejection

Applications:

- Aircraft
- Simulators
- Maritime
- Mobile
- Test Equipment

Package size:

- 0.5 x 1.3 x 4.3”

(Please see outline for exact dimensions)

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QUALITY SYSTEM REGISTERED TO ISO 9001:2000

Author Approved

Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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