

Delta Datasheet

Technical Data on Delta Microwave Products



Low-Noise Model L5667 GPS Filter/Amplifier

Features

- Low Noise-
- High Selectivity-
- Low Current Draw-
- Small Package-
- Light Weight-
- Rugged Design-

Description:

Delta Microwave engineers have set a new standard for compact GPS filter/amplifiers with the introduction of the L5667. A low insertion loss filter and a low noise amplifier are combined for extremely accurate GPS applications in one small lightweight package.

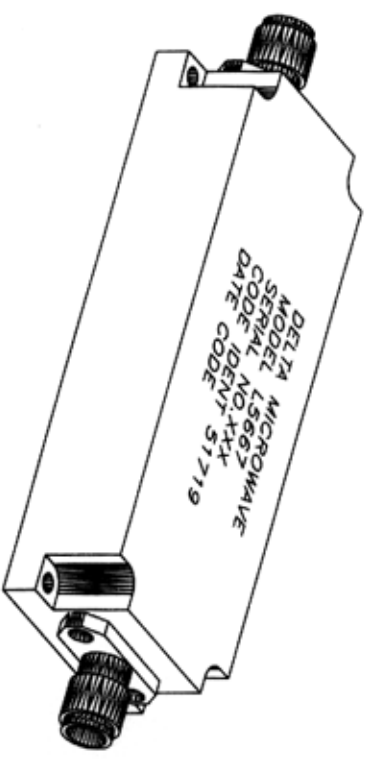
Delta's unique filter/amplifier configuration significantly improves GPS system performance by combining filtering and amplification to mitigate signal loss due to long cable runs between antenna and receiver.

Filter/amplifier assemblies eliminate extra costs and frustrations encountered when utilizing discrete filters and amplifiers. The L5667 filter is tuned in tandem with the amplifier giving you optimum performance and minimal size. For more information on the L5667, or for a full list of Delta's GPS filter/amplifiers, filters, diplexers, multiplexers, or reject filters, please contact the factory, or see our website at: www.deltamicrowave.com

Specifications

Passband	1575.42 MHz (L1)
Bandwidth	±8 MHz
Gain	25 dB ±3
VSWR	1.5:1
Noise Figure	3.0 dB Maximum (2.2 dB Typ)
50 dB Bandwidth	340 MHz
1 dB Compression Point	+10 dBm
Voltage	4.7~5.0 VDC Regulated
Current	0.060 Amps Maximum
Bias	Thru RF output connector
Connectors	SMAF
Operating Temperature	-50° to +70°
Operating Altitude	-500 to +25,000 Meters
Size	0.5 x 1.0 x 2.5





2. MARKING: USING BLACK WARMON INK TO INCLUDE:
DELTA MICROWAVE,MODEL NO.,SERIAL NO.,
CODE IDENT. NO. 51719 AND DATE CODE

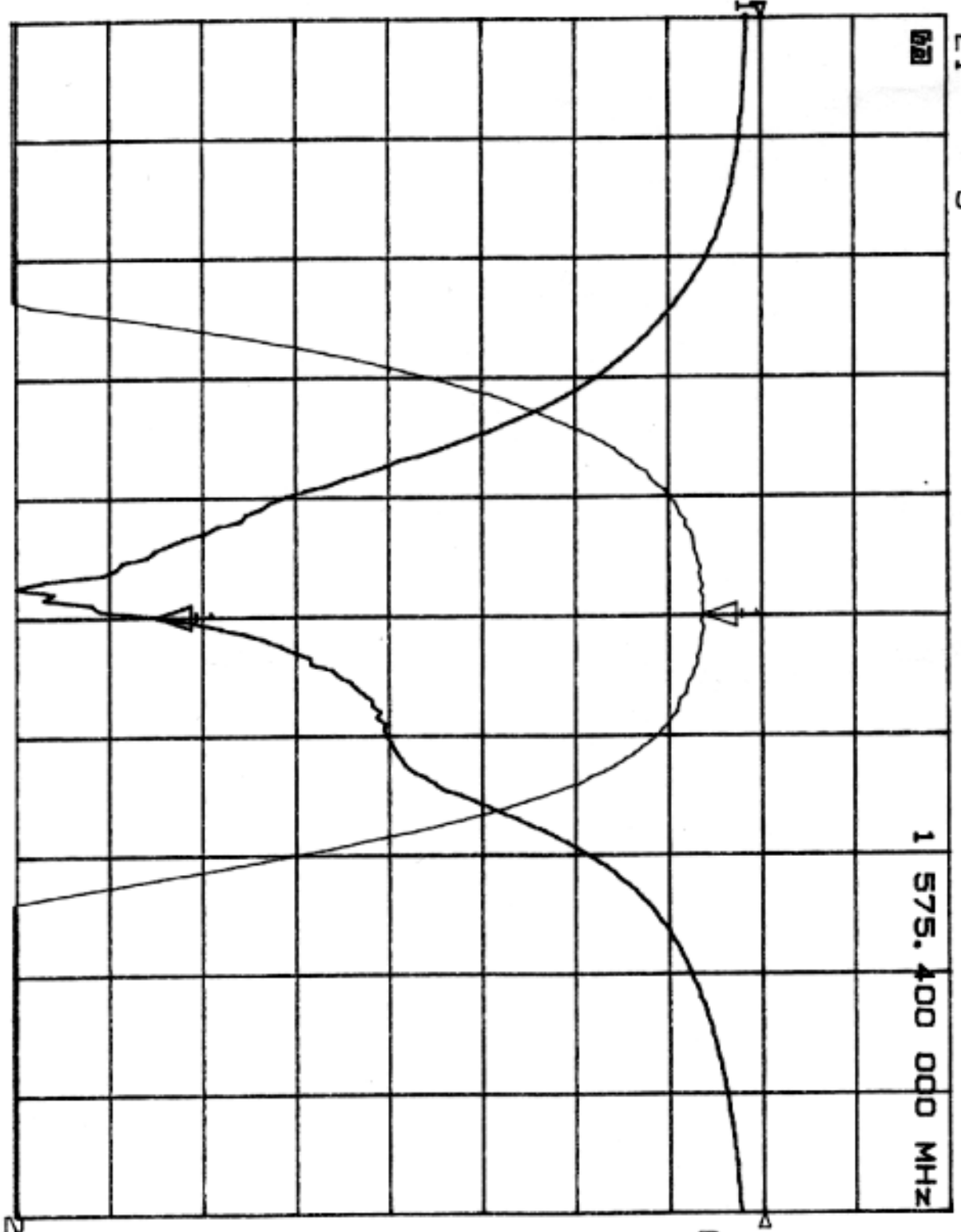
1: FINISH: HAZE GRAY EPOXY POLYAMIDE TOPCOAT
PER MIL-P-24441B TYP.1
(AS)COLOR NO.26270,FORMULA 151
PER MIL-P-24441/1C,OPL 24441-103
USING EPOXY POLYAMIDE PRIMER
PER MIL-P-24441B TYP.1 24272 GREEN
FORMULA 150 PER MIL-P-24441/1C,OPL 24441-103

NOTES:

CH1 S11 10g MAG 5 dB/ REF 0 dB 1 -32.454 dB
 CH2 S21 10g MAG 1 dB/ REF 25 dB 1 24.365 dB

Cor

Cor



noise figure:
 2.98dB
 50dB BW
 108MHz

START 1 525.400 000 MHz STOP 1 625.400 000 MHz

TESTED BY: CR DATE 9/1/98