

# Delta Datasheet

## Technical Data on Delta Microwave Products



### “L” Band

### Low Noise Amplifier

### Model **L5002-2**

#### **Features:**

- Low Noise
- High Performance
- Low Cost
- Large Voltage operation

#### **Specifications:**

#### **Description:**

The L5002-2 “L” Band Low Noise Amplifier was developed for high performance, low noise applications.

The LNA design uses a three stage discrete amplifier design for ruggedness, and low noise figure.

The Housing is machined from solid 6061 T-6 aluminum and chem film coated per MIL standards (nickel is never allowed in any of our plating processes). The circuit board is made from FR4 fiberglass and the entire assembly is conformal coated after tuning for optimum longevity. Delta Microwave only uses the highest quality materials for the construction of this LNA.

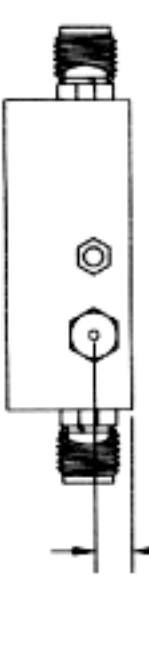
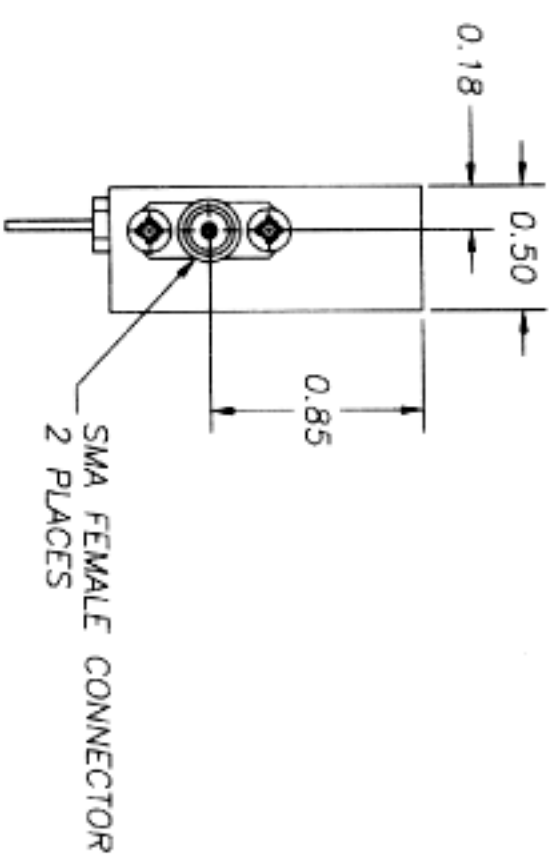
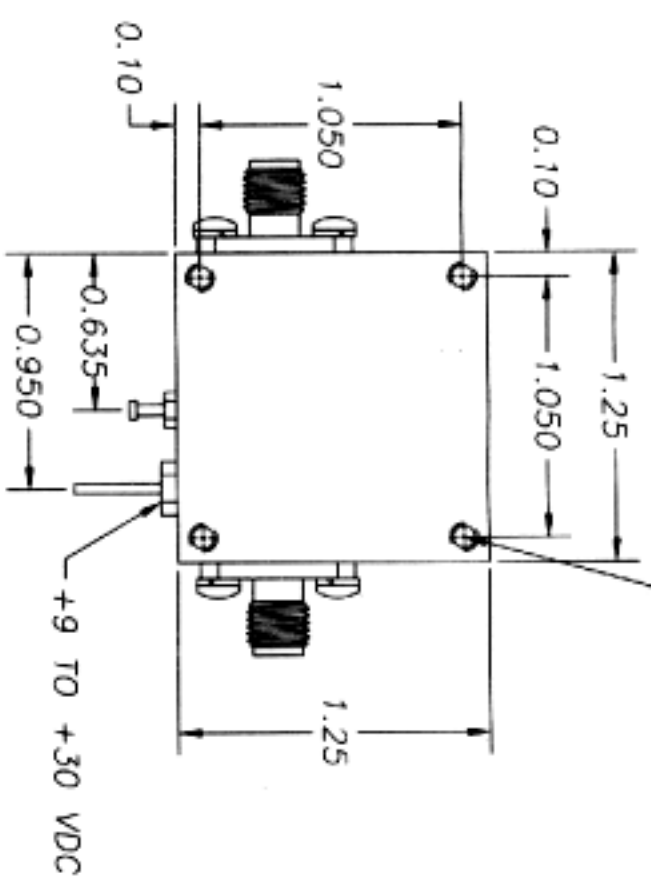
For more information on custom LNA products, Delta Microwave can be contacted via the Internet at <http://www.deltamicrowave.com>. Or you can call or fax your request Delta Microwave, or contact one of our sales representatives in your area.

Passband .....	1000 to 2000 MHz
Gain .....	33 ±3 dB
Noise Figure .....	1.0 dB MAX (0.6 Typ.)
VSWR.....	2:1 dB MAX (1.5:1 Typ.)
Power Handling.....	+ 12 dBm
Connectors.....	SMAF
Operating Temperature.....	-50 to +70°C
Voltage .....	+7 to +30 VDC @ 75 mA



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4-40 UNC-2B X .25 DEEP  
4 PLACES FAR SIDE



ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASED	12/17/98	

REV	DATE	DESCRIPTION	APPROVED

- MARKING: USING BLACK WARMONK INK TO INCLUDE:  
DELTA MICROWAVE MODEL NO. SERIAL NO.,  
CODE IDENT. NO. 51719 AND DATE CODE
- FINISH: HAZE GRAY EPOXY POLYAMIDE TOPCOAT  
PER MIL-P-24441B TYP. 1  
(AS) COLOR NO. 26270, FORMULA 151  
PER MIL-P-24441/1C, QPL 24441-103  
USING EPOXY POLYAMIDE PRIMER  
PER MIL-P-24441B TYP. 1 24272 GREEN  
FORMULA 150 PER MIL-P-24441/1C, QPL 24441-103

NOTES:

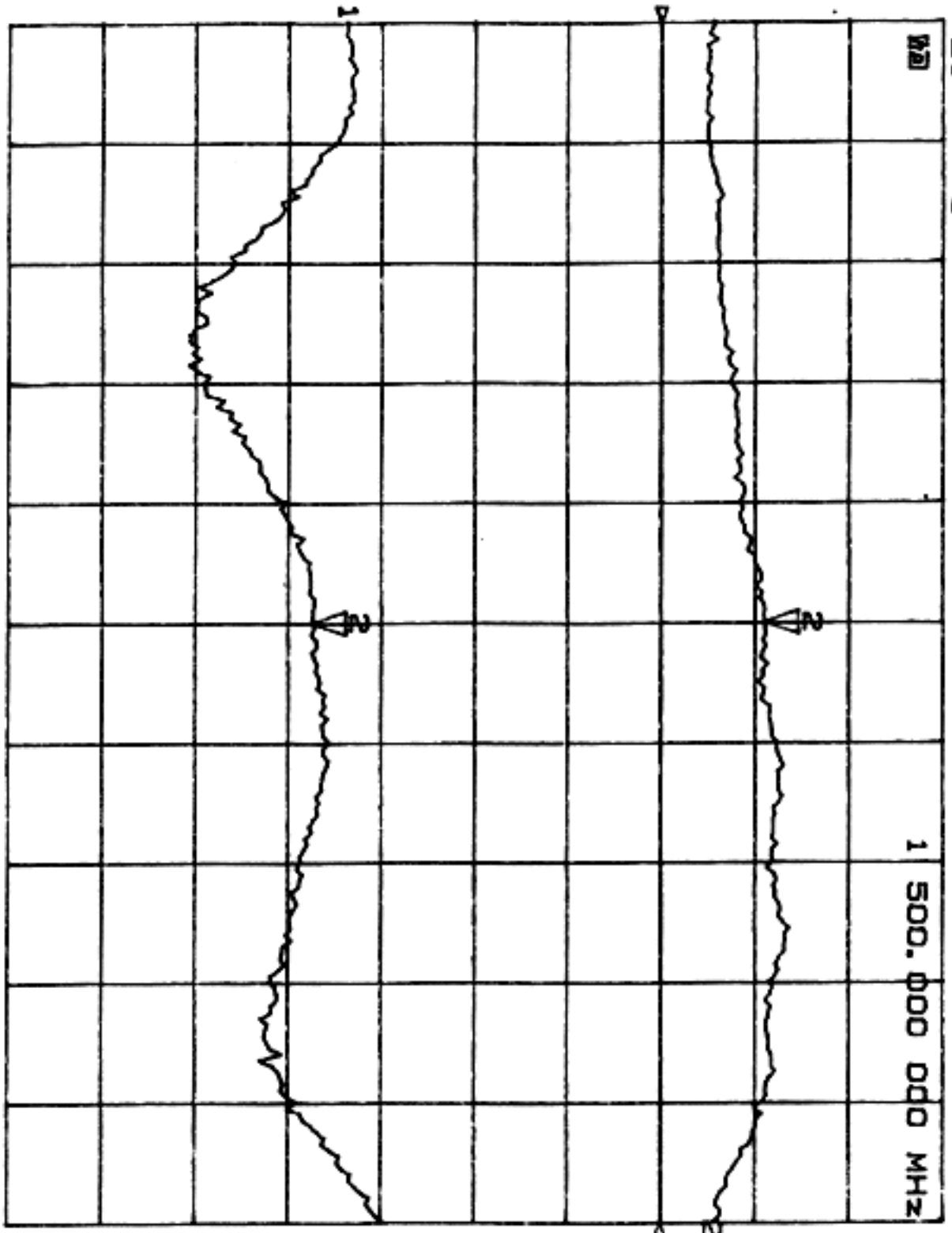
QUANTITY ORDERED		PARTS LIST		SCALE 2/1	
MATERIAL		DELTA MICROWAVE		DRAWING NO. L5002	
FINISH		1301 WASHINGTON DR.		SHEET 1 OF 1	
DATE		DOWNEY CALIFORNIA 92503			
APPROVED		OUTLINE			
DATE		CODE IDENT. NO. 51719			
APPROVED		DRAWING NO. L5002			
DATE		SCALE 2/1			

4 3 2 1

CH1 S11 10g MAG 5 DB/ REF 0 DB 2 -18.68 DB  
CH2 S21 10g MAG 1 DB/ REF 39 DB 2 34.107 DB

Cor

Cor  
Del



START 1 000.000 000 MHz

STOP 2 000.000 000 MHz