Stealth Microwave
INCORPORATED

Model SL1722-42

1700-2200 MHz
12 Watt Linear Power Amplifier
FOR LAB & WIDEBAND APPLICATIONS

The **SL1722-42** is a solid state GaAs amplifier designed primarily for the Personal Communication Systems (PCS) market. This amplifier operates from 1.7-2.2 GHz, provides 50 dB of gain, ± 0.5 dB gain flatness over the full band, and +42 dBm of output power at its 1 dB compression point. The output third order intercept point is +53 dBm. Its high linearity make it ideally suited for systems using the latest wireless standards. The unit is ideally suited for laboratory use with an internal 110 VAC power supply, and forced air cooling. An optional LED display showing output power is available.



Features

- +110 VAC supply
- Thermal Protection with Auto Reset
- VSWR Protection
- Internally Forced Air-Cooling

Options

- Output Power LED Display (CW)
- User Selective dBm/Watt Display

Parameter	Specification
Frequency Range	1.7 – 2.2 GHz
Pout (P1dB)	+ 42 dBm (min.)
Third Order Intercept Point	+ 53 dBm (typ.)
Linear Gain	50 dB ± 1 dB
Gain Slope over Full Band	± 0.5 dB
Gain Change over Temperature	± 0.5 dB
Input/Output VSWR	1.50:1
DC Supply	110 VAC
Mechanical Dimensions	13.3 x 8.3 x 5.3 inches
RF Connectors	SMA Female
Operating Temperature	0ºC to +55ºC
Operating Humidity	95% Non-condensing
Operating Altitude	Up to 10,000 feet above Sea Level

Specifications subject to change without notice.

1007 Whitehead Road Ext., Trenton, NJ 08638
Tel: (609) 538-8586 ♦ Fax: (609) 538-8587
Email: sales@stealthmicrowave.com ♦ Web site: www.stealthmicrowave.com

DIMENSIONS IN INCHES

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