Stealth Microwave
INCORPORATED

Model SL1722-41L

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

The **SM1722-41L** is a 1.7 to 2.2 GHz solid state GaAs FET amplifier designed for Laboratory applications for the Personal Communications (PCS) and WCDMA Markets. Its ultra high linearity makes it ideally suited for systems using single or multi-carrier wireless applications. Our proprietary pre-distortion technique dramatically improves the linearity of this amplifier, which provides an OIP3 of +60 dBm typical. 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)	+ 41 dBm (min.)
Third Order Intercept Point	+ 60 dBm (typ.)
Linear Gain	51 dB ± 1 dB
Gain Slope over Full Band	± .5 dB
Gain Change over Temperature	± .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.

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DIMENSIONS IN INCHES

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