



5 Watts of Linear RF Power From 50 kHz to 900 MHz For Industrial, Laboratory, Communication and Medical Applications.

## FEATURING:

- 50 kHz to 900 MHz total
- 5 W Linear
- 8 W Saturated
- Linear Output of 2.5W with h3≤-30 dBc

Class Of Operation Class A

Frequency Of Operation 50 kHz to 700 MHz, 700 to 900 MHz with -1.5 dB drop

#### RF Power Output 8 W saturated up to 300 MHz 7 W sat., 300 to 400 MHz 6 W sat., 400 to 700 MHz Gain

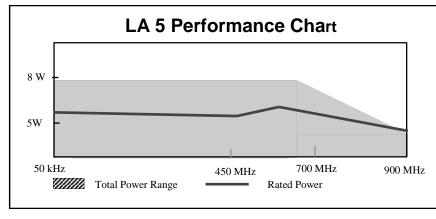
33 dB ±1.5 dB

#### **RF Input Drive**

Typical range -10 dBm to +10 dBm

#### **Input Drive Source**

Signal or function generator, analog computer input capable of up to 2 Vp-p @ 50 Ohm within amplifier output and bandwidth limits.



Input and Output Impedance 50 Ohm Input VSWR 2:1 max

Output VSWR 3:1 max

LA5M

HF/VHF LINEAR AMPLIFIER MO

Load Mismatch All phase angles

Harmonic Level @ 2.5 W Better then - 30 dBc for 3rd harmonic, any other > -30 dBc

RF Connectors SMA Females

Power Source 28 VDC, 4A

Power Connection RFI Filter Solder Lug

Cooling Forced Air Required

Module Dimmensions ( H 70 x W 208 x L 240 ) mm ( 2.8" x 8.2" x 9.05" )

Weight: ~ 1.8 kg, ( 4 lbs. )

### Mounting

Right angle brackets with 7.4" side to side hole pattern. 2.75" between holes on bracket.

# **Environmental conditions**

**Temp:** 0° to 35° C ambient air **Humidity:** 80%



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# Sales Representative: