

LA 10 M

3 to 1000 MHz LINEAR AMPLIFIER MODULE



10 Watts of Linear RF Power From 3 MHz to 1000 MHz For Industrial, Laboratory, Communication and Medical Applications.

FEATURING:

- 3 MHz to 1000 MHz
- 10 W Linear
- 15 W Saturated
- Linear Output of 10W with $h_{3\text{dB}} - 25 \text{ dBc}$

Class Of Operation

Class A

Frequency Of Operation

3 MHz to 1000 MHz

RF Power Output

15 W saturated

Gain

40 dB ± 2 dB

RF Input Drive

Typical range -20 dBm to 5 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

Load Mismatch

All phase angles

Harmonic Level @ 10 W

Better than -25 dBc for 3rd harmonic, any other > -30 dBc

RF Connectors

SMA Females

Power Source

28 VDC, 4A

Power Connection

RFI Filter solder stud

Cooling

Forced Air Required

Module Dimensions

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

Weight

~ 1.8 kg, (4 lbs.)

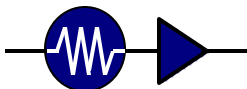
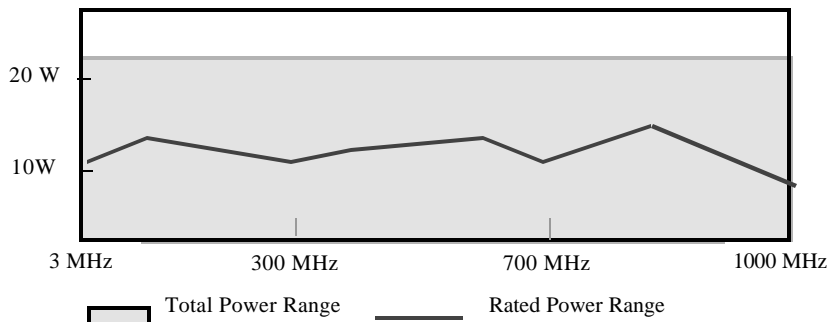
Mounting

Right Angle Brackets with 7.4" side to side hole pattern. 2.75" between holes on bracket

Operating Temperature

0° to 35° C ambient air

LA 10M Performance Chart



Sales Representative:



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