



# LA 50

## 15 to 110 MHz LINEAR AMPLIFIER



**50 Watts of Linear RF Power From 15 MHz to 110 MHz For Industrial, Laboratory, Communication and Medical Applications.**

### FEATURING:

- 15 MHz to 110 MHz
- 50 W Linear
- 70 W Saturated
- Linear Output of 25W with  $h_{3\leq} -25$  dBc

### Class Of Operation

Class A

### Frequency Of Operation

15 MHz to 110 MHz

### RF Power Output

70 W saturated

### Gain

47 dB  $\pm$ 1 dB

### RF Input Drive

Typically -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 @ 25 W

Better then - 30 dBc for 3rd  
Better then - 27 dBc for 2nd  
any other > -40 dBc

### RF Connectors

N Type Females. Front Panel

### AC Power Source

100 - 120 VAC, 200 - 240 VAC  
+/-10%, 47 - 63 Hz

### AC Power Connection

IEC Standard Power Entry

### Cooling

Forced Air

### Dimensions

H 95mm x W 480 mm x  
L 420mm  
( 3.75" x 19" x 16.5" )

### Weight

~ 11 kg, ( 24 lbs. )

### Mounting

Stand alone unit. Front Panel fit rack mount

### Environmental conditions

Temp: 0° to 35° C ambient air

Humidity: 80%

### LA 50 Performance Chart

