

**T&C**  
Power Conversion

# LA-300

## 2 to 160 MHz AMPLIFIER - PRELIMINARY

**T&C POWER CONVERSION**

**300 Watts of RF Power From 2 MHz to 160 MHz For Industrial, Laboratory, Communication and Medical Applications.**

**FEATURING:**

- **2 MHz to 160 MHz**
- **300 W @ 1dB compression**
- **Linear Output of 200 W with  $h3 \leq -20$  dBc**

**Class Of Operation**  
Class "A"

**Frequency Of Operation**  
2 MHz to 160 MHz

**RF Power Output**  
>300 W saturated

**Gain**  
55 dB  $\pm$ 2 dB (at 300W)

**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.

**Harmonic Level @ 200 W**

Better than -20 dBc for 3rd harmonic, any other >-35 dBc

**RF Connectors**  
Type "N" Female

**AC Power Source**  
90 - 130 VAC, 190 - 240 VAC  
47 - 63 Hz

**AC Power Connection**  
IEC Standard Power Entry

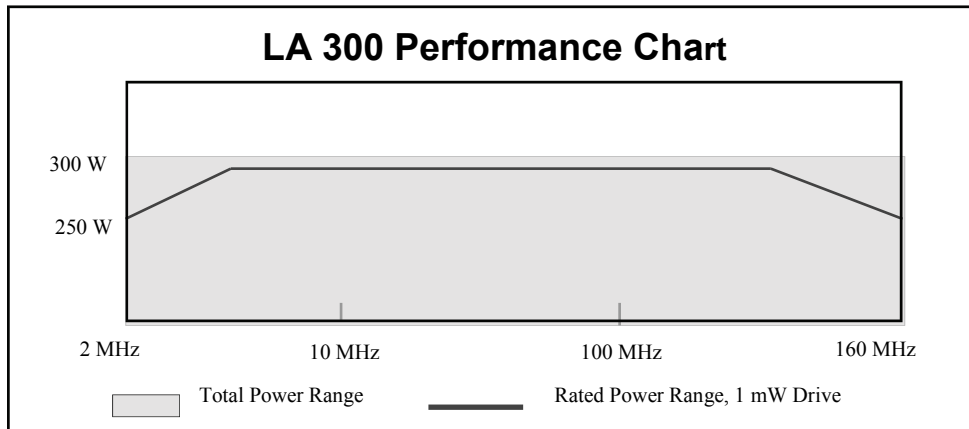
**Cooling**  
Forced Air

**Dimensions**  
H 160 x W 480 x L 420 mm  
(6.25" x 19" x 16.5")

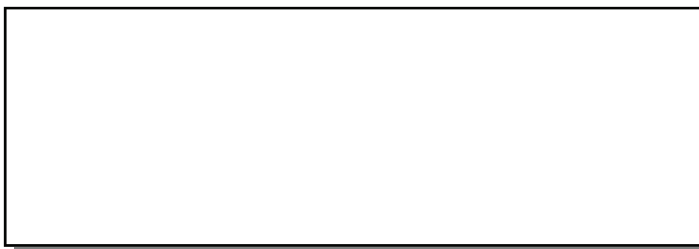
**Weight**  
~ 17.25 kg, (38 lbs.)

**Mounting**  
Stand alone unit. Front Panel fit rack mount

**Operating Temperature**  
0° to 35° C ambient



**Sales Representative:**



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