

# ENI 400 Series

## Ultra High Frequency

### 150 KHz to 300 MHz, 3 to 10 Watts

The three amplifiers that make up the "400" Series power amplifiers cover the frequency range of 150 KHz to 300 MHz and provide linear Class A power outputs ranging from 3 to 10 Watts.

These units take advantage of a highly linear bipolar power transistor which coupled with a special power stage network design provides exceptionally low levels of intermodulation distortion. The "400" Series of amplifiers has found applications in a wide variety of signal and television distribution applications as well as in general laboratory work.

All the units in the "400" Series have built in DC power supplies and forced air cooling systems except the model 400AP. The 400AP is powered by an external DC Power supply and cooling is accomplished through extruded heat-fins mounted to its extremely rugged welded aluminum enclosure.

#### Specifications:

	MODEL 400AP	MODEL 403LA	MODEL 411LA
Frequency Coverage	150KHz to 300MHz	150KHz to 300MHz	150KHz to 300MHz
Maximum Class A Linear Power Output	3 Watts	3 Watts	More than 10 Watts
Gain	37 dB (Nominal)	37 dB (Nominal)	40 dB (Nominal)
Gain Variation	±1 dB	±1 dB	±1.5 dB
Typical 3 <sup>rd</sup> Order Intermodulation Interception Point	+45 dBm	+45 dBm	+49 dBm
Input/Output Impedance	50 Ohms	50 Ohms	50 Ohms
Input VSWR	1.4:1 Maximum	1.4:1 Maximum	1.6:1 Maximum
Output VSWR	2:1 Maximum	2:1 Maximum	2.3:1 Maximum
Noise Figure	9 dB (Nominal)	9 dB (Nominal)	10 dB (Nominal)
Power Requirements	+22 VDC ±3% @1.3 Amps.	115 VAC ±10% 50/60Hz, 1A 230 VAC ±10% 50/60Hz, 5A	115 VAC ±10% 50/60Hz, 1.5A 230 VAC ±10% 50/60Hz, .75A
Operating Temperature	-30° to +65°C	0° to +45°C	0° to +45°C
Size	2.8"x5.3"x8.6"	3.5"x6.25"x11"	5.7"x8.7"x15.4"
Weight	2.25 Lbs.	7 Lbs.	22 Lbs.
connectors	BNC	BNC	BNC