

RF POWER AMPLIFIER SYSTEM

Model A072
P/N 500-30-100-45-R

30 - 500 MHz
100 Watts

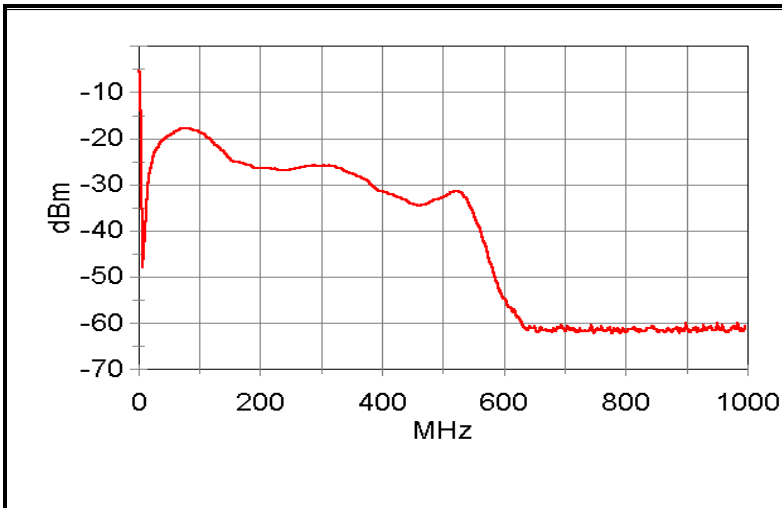
Gain:45dB Voltage:120/220 VAC

Economical
Automatic Current Limit
Low Even Order Harmonics
Rugged

PERFORMANCE

PARAMETER	SPECIFICATIONS	COMMENTS
Output Power	100 Watts cw	105 Watts MAX
Frequency Range	30 - 500 MHz	
Gain	45 dB minimum	
DC Current	13 Amps MAX	8 - 12 Amps typical
AC	120 VAC/60 Hz 220 VAC/50 Hz	Preset at factory
In / Out Impedance	50 ohms nominal	
Connectors	Type N female bulkhead	
Size	19.0" x 18.2" x 7.0"	
Spurious	Better than - 60 dBc	
Cooling	Forced air	Self-contained fans
Operating Temperature	-50°C to +70°C	

ELECTRICAL PERFORMANCE



HIGH POWER DATA (Typical)

Freq (MHz)	Input Power (dBm)	Output Power (W)	DC Current (A)	Gain (dB)
30.00	-0.60	100.00	12.14	50.90
50.00	-2.10	100.00	9.44	52.10
100.00	-1.40	100.40	7.58	51.42
150.00	2.90	101.70	8.31	47.17
200.00	4.60	101.00	8.06	45.44
250.00	5.30	100.80	8.73	44.73
300.00	5.60	100.10	9.44	44.40
350.00	7.00	102.80	10.87	43.12
400.00	10.00	101.50	11.49	40.06
450.00	12.60	100.70	10.73	37.43
500.00	12.70	100.00	9.60	37.30