

# RF POWER AMPLIFIER SYSTEM

**Model A020**  
P/N 400-225-100-45-R

225 - 400 MHz  
100 Watts

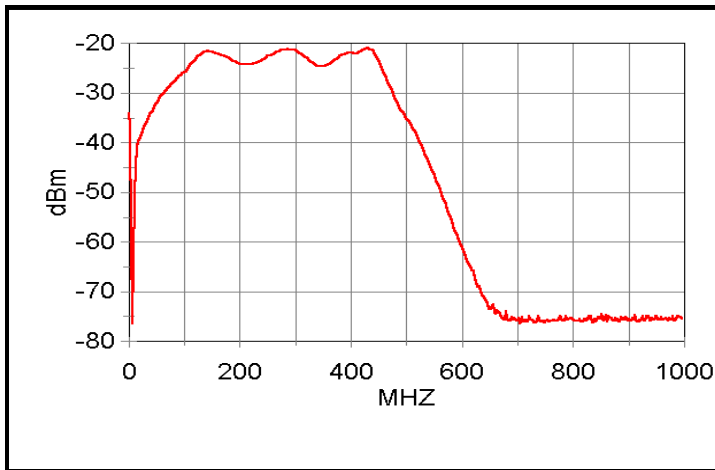
Gain:45dB Voltage:120/220 VAC

**Economical**  
**Automatic Current Limit**  
**Low Even Order Harmonics**  
**Rugged**

## PERFORMANCE

PARAMETER	SPECIFICATIONS	COMMENTS
Output Power	100 Watts cw	105 Watts MAX
Frequency Range	225 - 400 MHz	
Gain	45 dB minimum	
DC Current	11 Amps MAX	9 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)
220.00	-4.90	101.60	8.67	54.90
240.00	-3.70	102.00	9.05	53.70
260.00	-3.60	102.00	9.05	53.60
280.00	-2.40	101.60	9.08	52.50
300.00	-1.80	101.20	8.81	51.80
320.00	-1.00	101.30	8.67	51.00
340.00	-1.30	100.20	8.49	51.30
360.00	-2.40	100.60	8.30	52.40
380.00	-2.50	101.00	8.62	52.50
400.00	-2.00	100.00	9.10	52.00

