



SPECIFICATIONS FOR MODEL 713F

RF POWER AMPLIFIER MODULE

(Outline Drawing 1-60-539-001)

Frequency Range	:	20 B 1000 MHz broadband
Power Output	:	15 Watt cw/pulse minimum
Power Gain	:	46 dB minimum
Gain Flatness	:	±2.2 dB maximum
Mode of Operation	:	class AB linear
Drive Level Required	:	.5 mW typical
Input/Output Impedance	:	50 Ohm nominal
Input VSWR	:	2.0 : 1 nominal
Spurious Output	:	-70 dBc maximum
Harmonics	:	-18 dBc maximum
Load Mismatch Tolerance	:	3 : 1 maximum
Noise Figure	:	9 dB typical
RF Connectors	:	SMA
Supply Voltage Required	:	+28 V _{DC} @ 7 A.
Supply Connectors	:	Capacitive feedthru solder terminals
Cooling Required	:	Heatsink and forced air cooling req'd depending on application. Maximum allowable enclosure temperature 60 °C. (Optional heatsink part# 7-43-176-001)
Construction	:	RFI proof, machined aluminum enclosure and cover
Size (L X W X H)	:	7.05"±4.75"±1.58 in; 179"±120"±40 mm
Weight (w/o heatsink)	:	2.0 lb, .9 kg

Ordering Information:

Model 713F, RF Power Amplifier Module, Part Number 1-60-539-001.

Model 713F, RF Power Amplifier Module, with heatsink, Part Number 1-60-539-003.