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MODEL 4056
1175 - 1675 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Band-specific High
 Power RF Amplifier**

The 4056 is a 500 Watt band-specific amplifier that covers the 1175 – 1675 MHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3rd order intercept point, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability.

	Parameter	Specification @ 25 °C
Electrical		
1	Frequency Range	1175 – 1675 MHz
2	Saturated Output Power	500 Watts min
3	Small Signal Gain	+58 dB min
4	Small Signal Gain Flatness	± 1.5 dB max
5	IP ₃	+63 dBm typical
6	Input/Output VSWR	2:1 max
7	Harmonics	-20 dBc typical
8	Spurious Signals	< -60 dBc typical
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	2400 Watts max
11	AC Input	100 – 240 VAC, single phase
12	RF Input	0 dBm max.
13	Amplifier Enable/disable	"0" for HPA Disable Open or +5V Enable
14	Blanking Isolation	60dB typical
Mechanical		
15	Dimensions	19" x 8.75" x 24"
16	Weight	100 lb. max
17	Connectors	Type-N
18	Grounding	Chassis
19	Cooling	Internal Forced Air
Environmental		
20	Operating Temperature	0° C to +50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck Transport

ORDERING MODELS

- ◇ R - Rear Panel model
- ◇ F - Front Panel model
- ◇ RE - Rear Panel model with RS232 & IEEE
- ◇ FE - Front Panel model with RS232 & IEEE
- ◇ RT - Rear Panel model with IEEE & Ethernet
- ◇ FT - Front Panel model with IEEE & Ethernet





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MODEL 4056

1175 - 1675 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

APPLICABLE FOR RT, FT, RE, RE

CIRCUIT PROTECTIONS

- ◇ Infinite Load VSWR using an Isolator
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ Input overdrive—by passive limiter

CIRCUIT INDICATIONS

- ◇ Forward Power
- ◇ Reflected power
- ◇ VSWR Fault
- ◇ Temp Fault
- ◇ Gain Setting (VVA) percentage

CIRCUIT CONTROL

- ◇ Standby (amplifier disable)
- ◇ ALC enable / disable
- ◇ Gain/power setting with 20dB range
- ◇ Temp Fault
- ◇ Gain/power Setting (VVA)

Front panel display and key pad and/or remote