

CA1500HF+6

1.8-54 MHz

1500W CW/SSB/RTTY/AM/FM

Solid State High Power RF Amplifier

The CA1500HF+6 is a 1500W, 100% Duty Cycle, All Mode, 160M-6M (1.8-54 MHz) Linear RF Amplifier that offers Superior Performance W/High Gain, Power, & Durability. Enclosed within the robust yet stylish cabinet are a pair of 1KW LDMOSFET RF Pallet Amplifiers, mounted on high density heat sinks and powered by an exceptional 3000W 50VDC switching supply. Equipped w/Dual Front Panel Displays that greatly enhances the operators ease of monitoring.

Features:

- 1500 Watts Output
- True "100% Duty Cycle"
- CW/SSB/RTTY/AM/FM
- "Instant On" Operation
- 160-6M (1.8-54 MHz)
- Solid State 50V LDMOSFET's
- 3000W DC Supply Included



Absolute Maximum Ratings	
Parameter	Value
Input Voltage	240 VAC
AC Current	20.0 Amps
50VDC Current	60.0 Amps
Load Mismatch	10:1
Baseplate Temp	+80C
Storage Temp	-40C - +105C
NOTE: IMD's Ref to either tone of a Two Tone test.	

Nominal Specs: (CW)	Min.	Typ.	Max	Unit
Frequency	1.8	14	54	MHz
Pout @ P1DB		1500		Watts
System Gain		16.0		dB
IMD's @ 1500W PEP (SSB)		-30.4		dBc
Power Input		85.0		Watts
DC Current		51.2		Amps
Input VSWR		1.1:1		VSWR
Efficiency		59.4		%
All Harmonics (Or Less)		-70.0		dBc
Baseplate Operating Temp		55.0	75.0	C
Weight Of Finished Unit		65.0		Lbs
Size (Rack Mount Optional)	17.0" x 18.00" x 11.00"			

Communication Amplifiers, LLC

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