

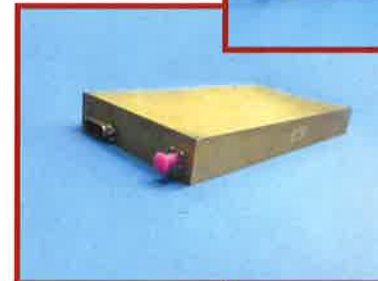
Mnemonics 200 watt Power Amplifier (Part# 980-1249) (Rack Mounted Part# 990-1144)



Amplifier Features:

- UHF Military SATCOM
- Waveforms FM, FSK, PSK, CPM, TDMA/DAMA, MUOS, WCDMA
- Continuous and Pulse Transmit
- Health & Status
- Low Power Usage - High Efficiency
- Lowest Cost
- Keyed 630 Watts - Max
- Unkeyed 114 Watts - Max

Parameter	Specification
Frequency	290-320 MHz
Max Output Power	250 Watts CW
P 1dB	200 Watts
Gain	54 dB
Gain variation over Temp	+/- .25 dB, 0-75c
Gain Ripple	+/- .5 dB, 292-318 MHz
DC Power Supply	48, 28 and 5 Volts
Efficiency	40% min to 45%
Bias Supply	internal
Harmonics	> 20 dBc
Spurious	> 60 dBc
Input VSWR	1.50 @ 50 ohms
Output VSWR	1.80 @ 50 ohms
RF Connectors	Sma Female
DC Connector	Solder Lugs
Size (HPA Only)	8.0 x 4.0 x 1.0 inches
Size (Rack Mounted)	20 x 16.75 x 5.2 inches (L x W x H)
Weight (HPA Only)	4 lbs.
Weight (Rack Mounted)	34 lbs.
Operating Temp	0° - 75° C
Humidity	95% Non-condensing



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