

Mnemonics 20 watt HPA

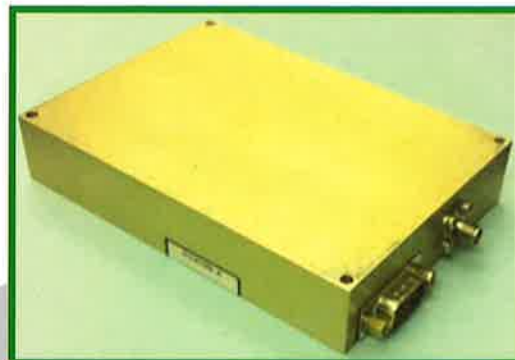
(Part# 225-5059-001) (Part# PA20-270-100)



Amplifier Features:

- UHF Military SATCOM
- Waveforms FM, FSK, PSK, CPM, TDMA/DAMA, MUOS, WCDMA
- Low Power Usage – High Efficiency
- Lowest Cost

Parameter	Specification
Frequency	220-320 Mhz
Output Power (P1 dB)	20 Watts
Gain @ +25°C	44 ± 1 dB
Gain @ 0 °C	Gain @ +25°C ± 0.5
Gain @ +50°C	dB Gain @ +25°C ± 0.5 dB
Gain Flatness Over Temp. and Frequency	± 0.5 dB, 220-320 MGz
HPA Efficiency	50%
DC Power	28 VDC (1.5 Amps)
Power Connector	DB9
RF ON/OFF Control (V _{KeyLine})	TTL Level
Keyline Connector	D38999\20M11-35P, Conn, CIRC, RCPT, 13 PIN
Keyline On/Off Isolation	> 80 dBc
Harmonics/Spurious	> 15 dB / < -70 dBc
Input / Output Impedance	2 : 1
Input / Output VSWR	50 Ohms
No Load Protection	Can withstand 20 Watts with NO LOAD
RF In/Out Connectors	SMA
Operating Temperature	0°C to +70°C
Size	5.0 x 3.5 x 1.0 in (L x W x H)
Size (ATR config.)	12.62 x 7.62 x 2.25 in (1/4 ATR)
Weight	20.0 Oz
Weight (ATR config.)	7.25 lbs
Over Temperature Alarm	Factory set @ +85°C



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