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## CLASS AB POWER AMPLIFIER SPECIFICATION MODEL: PA-1908-20

1. Frequency Range: .....1400÷1500 MHz
2. Output Power @ Saturation: .....+43dBm min
3. Mode of operation: ..... Continuous
4. Spurious: .....-80dBc max
5. Harmonics: . . . @+40dBm out power ..... -30dBc max
6. Gain: ..... @+40dBm out power ..... 43dB min
7. Gain Variation over Temp: ..... .2 dB max(@ any Frq)
8. Gain Flatness: (@ 1400÷1500Mhz BW) ..... 1.5dB max
9. Input & output Impedance: ..... 50 Ω
10. VSWR(in/out): ..... 2.0:1
11. Mismatch Capabilities:

The unit shall work without damage into any load, from open to short, at any phase angle, under any specified environmental conditions.

The amplifier shall not become unstable or show Evidence of parasitic oscillation when working into a load with a VSWR of up to 6.0:1 at any phase angle.

12. Supply Voltage: ..... 24 v nominal +/-1v
13. DC Power Consumption: . . . @+43dBm . . . 55W max @0÷50°C  
60W max @-40÷+85°C
14. Connectors: ..... SMA (female)

**\* THIS UNIT WILL MEET MIL-STD 883B REQUIREMENT**