



PTWA-9G11G-200

200W P1dB CW TWT Amplifier

Traveler Wave Tube (TWT) Power RF Amplifier

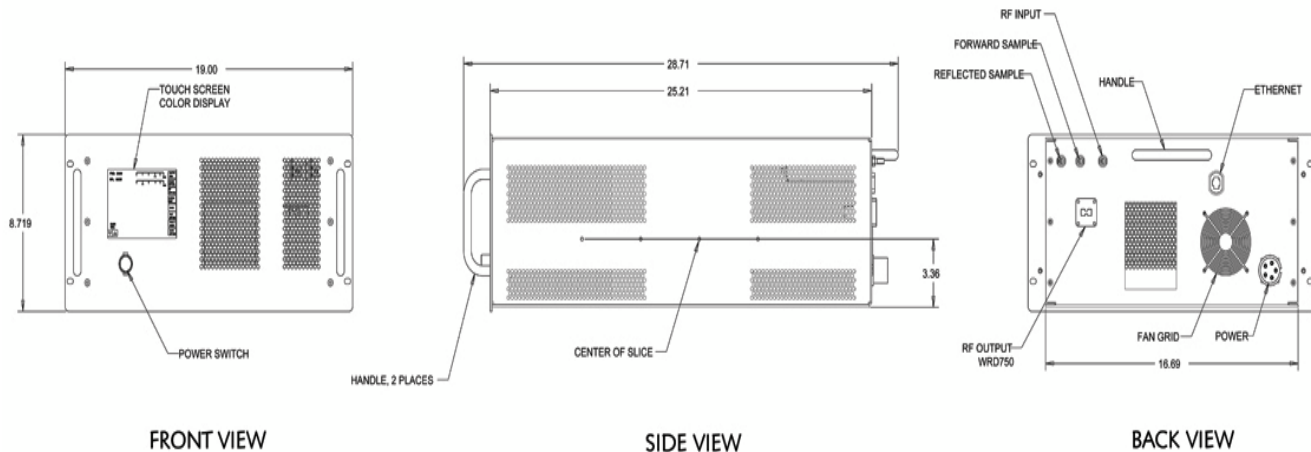
The PTWA-9G11G-200 is a TWT 200W P1dB (CW) Ruggedized RF Amplifier which covers frequency range from 9GHz to 11GHz. This amplifier can achieve high efficiency operation with proven reliability as is designed with the robust engineering and employment of the most advanced devices and components. The amplifier comes with 2 years warranty including the TWT.

Parameter	Specification
<u>Electrical</u>	
Frequency Range	9-11GHz
Output Power	200W P1dB, CW nominal
Internal Protection	Up to 0dBm for no damage
Gain @ rated power	55dB
Gain Adjustment	0 to 30dB
Input /Output Impedance	50 ohms(VSWR 2.0:1)
Noise Figure	≤ 35dB
RF Input / Output Connectors	RF Input Type N Female / RF Output WRD750
Modulation	AM / FM / Pulse
Spurious	-50dBc
Harmonics (nom.) @Rated Power	-20dBc
Prime Power	220V AC +/-10%, 50/60 Hz, Three Phase 5 wires
<u>Mechanical</u>	
Configuration	Racks mounts 19"W x 26.2"D x 8.75"H
Cooling System	Air cooled ,self contained
Shock MIL Standards	MIL-STD-810C, method 516.2, Procedure I ,15G. 11 ms 1/2 sine
Vibration MIL Standards	MIL-STD-810C, method 514.2, procedure VIII, curves V, 1 hr/axis
<u>Environmental</u>	
Temperature	0° to 45° C
Non-operating Temp	0° to 60°C
Humidity	95% without condensation
Altitude	15,000 feet

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

OPTIONS

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|-----|---|
| 001 | VSWR Protection against any output mismatch; will operate without damage or oscillation against any magnitude and phase of source and load impedance. |
| 002 | Alternate Prime Power (specify at time of order). |
| 003 | Ethernet Remote Control. |
| 004 | Forward RF Sample Port Type N Female -60dBc nominal on the Front or Rear Panel. |
| 005 | Reflected RF Sample Port Type N Female -60dBc nominal on the Front or Rear Panel. |
| 006 | RF Input / Output Connectors on the Front Panel (Specify front or rear at time of order). |
| 007 | Internal Systems Diagnostics. |
| 008 | Filament/Beam Elapsed Time Metering in hours. |
| 009 | RF Safety Interlock, type BNC Connector. |
| 010 | Forward/Reflected Power Indication simultaneously on Front Panel display. |



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