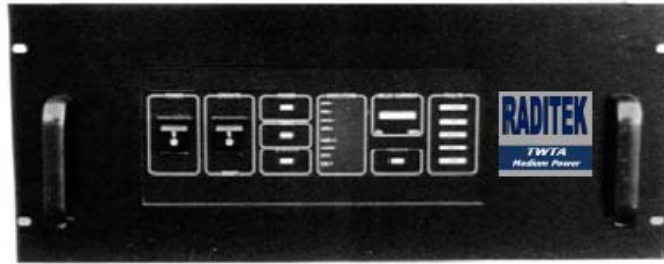


RADITEK

TWTA Medium Power

TWT Amplifier

26.5-40.0GHz, 40Watt, CW
TWTA-26.5-40.0-40W-CW-w9



The operator has access to monitor power supply parameters, TWT conditions, fault latching, and control of the power supply for both the safety of the TWT and the operator. These controls also provide a TWT warm-up delay; automatic sequencing of High Voltage and Beam Current as well as an automatic recycle feature.

Specifications		Units
R F Parameters		
Frequency	26.5 – 40.0	GHz
Output Power	40 cw	Watts (nominal)
Input Power (maximum)	0	dBm
Spurious Output		
0-250 Hz	50	dBc (min)
> 250 Hz	55	dBc (min)
Output VSWR Protection	100%	
RF Sampling		
RF Output Power Sample	-30	dB (Optional)
Modulation Capabilities		
RF	AM, FM, Pulse	
Electrical		
Primary Power	1.0-kVA	
Digital Interface	RS-232* Ethernet Optional	
Primary Input Power Mains	115 50/60 Hz, One phase	Vac
(Optional)	220-240 50/60 Hz, One phase	Vac
Elapsed Time Meter	00,000.0	Hours

*RS-232 interface provides the ability to remotely operate, monitor & control operation of the amplifier. Any fault condition latches information. The following parameters are monitored. High / Low limits are interlocked

Body Voltage	00.00 kV
Body Current	00.00 mA
Cathode Current	00.00 mA
Collector Voltage	00.00 kV
Collector Current	00.00 mA
Heater Voltage	0.00 V
Heater Current	0.00 A
Access Lid Interlock	Fault
Excessive Temperature	Fault

TWTA, 26.5-40.0GHz, 40Watts, CW

TWTA-26.5-40.0-40W-CW-w9

FRONT PANEL CONTROLS and INDICATORS

SWITCHES : OFF/POWER, OPERATE, RESET
ILLUMINATED STATUS MONITOR : OPERATE, WARM-UP, REMOTE, POWER ON

CONNECTORS

R F INPUT, 50 Ω , rear panel : Waveguide, WR-28
R F OUTPUT, 50 Ω , rear panel : Waveguide, WR-28
RF SAMPLE, 50 Ω , rear panel : Co-ax, Type "3 mm"
RS-232, rear panel : DB-9 F
PRIMARY INPUT POWER : NEMA L6-20, Three wire

MECHANICAL

FRONT PANEL DIMENSIONS : Standard RETMA $\frac{3}{16}$ " thick, Slotted Holes
Front Panel : Height 8 $\frac{3}{4}$ ", Width 19"
Chassis Depth : 26"
Overall Depth : 31"
FINISH : Enamel, Color White & Black
Front Panel : Alodine, Color Silver or Gold
Chassis : 80 pounds *nominal*
WEIGHT : Self contained forced air
COOLING

ENVIRONMENTAL

TEMPERATURE : Operating : 0 to +50°C
Derate 10°C for 10,000 foot Operation
Storage : - 30 to +60°C
HUMIDITY : 0 to 95% non-condensing
ALTITUDE : 0 to 10,000 feet above sea level

WARRANTY

Material and Workmanship One Year

ACCESSORIES SUPPLIED

1-each, Maintenance Manual
1-each, Primary Input Power Mating Connector
1-each, CD ROM, Computer Operating software