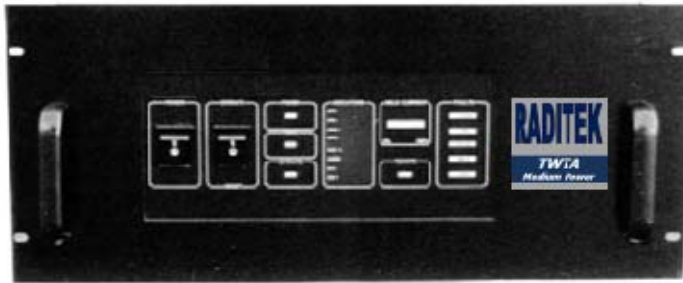




TWT Amplifier
 18.0-26.5 GHz, 50Watt, CW
 TWTA-18.0-26.5-50W-CW-w9



The TWTA-18.0-26.5-50W-CW-w9 amplifier provides the best performance, reliability and cost advantage.
 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 Specifications		
Frequency	18.0 - 26.5	GHz
Output Peak Power	47.0	dBm (min)
Duty Cycle	100 cw	%
Input Power (for rated output)	20	dBm (max)
	Option: 0	dBm
Spurious Output	-55	dBc
Output VSWR Protection	100	%
Monitor/ Test Points		
(Optional) Output Power Sample	-30	dB (nominal)
Modulation Capabilities		
RF Reproduction	AM, FM, Pulse	
	50	Watts
Digital Interface	Digital Interface RS-232* Ethernet Optional	
Electrical		
Primary Input Power (Optional)	105-125 50/60 Hz, one phase	Vac
	220-240 50/60 Hz, one phase	Vac

**RS-232 interface provides ability to remotely operate, monitor & control amplifier operation. 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- 18.0-26.5GHz, 50W, ContinuousWatt

TWTA-18.0-26.5-50W-CW-w9

CONTROLS and INDICATORS

FRONT PANEL: Switches
ILLUMINATED STATUS MONITOR
TWTA STATUS & CONDITIONS

OFF/STANDBY/OPERATE/RESET
WARMUP/STANDBY/OPERATE/RESET
RS-232

CONNECTORS

R F Input, Waveguide
R F Output, Waveguide
RF Samples (*Optional*)
RS 232
Primary Power Input

WR-42 (18.0-26.5 GHz)
WR-42 (18.0-26.5 GHz)
Co-ax, Type "NF"
DB 9 F
Three wire, Connector, NEMA L5-20

MECHANICAL

FRONT PANEL

: Standard RETMA 3/16" thick,
with slotted mounting holes.

DIMENSIONS: Front Panel
Depth

: Width 19", Height 8-3/4"

: Chassis, 26"

: Overall, 28" (maximum)

FINISH: Front Panel
Chassis

: Enamel, FSN 26440, Color Gray

: Alodine, Color Silver

WEIGHT
COOLING

: 75 pounds (Maximum)

: Self contained forced air

ENVIRONMENTAL

TEMPERATURE: Operating
Storage

: 0 to +50°C

(Derate 10°C for 10,000 foot altitude operation)

: - 30 to +60°C

HUMIDITY
ALTITUDE

: 0 to 95% non-condensing

: 0 to 10,000 feet above sea level

ACCESSORIES SUPPLIED

1-each, Instruction/Service Manuals
1-each, Primary Input Power Connector
1-each, CD Operating Software

WARRANTY

Materials and Workmanship one year