



# Advanced Test Equipment Rentals

www.atecorp.com 800-404-ATEC (2832)

## T-500 SERIES

## High Power Traveling Wave Tube Amplifiers

500 Watts CW  
1.0-18.0 GHz

### Prime Power:

100/115/220/230 or 240VAC  $\pm 10\%$  50/60 Hz, single phase  
115/208 or 200/220/230/240VAC  $\pm 10\%$  50/60 Hz,  
three phase Wye, Delta and/or 400 Hz power is available

### Mechanical

Dimensions: 14"H x 19"W x 27"D  
(Rack Mountable) (356mm x 483mm x 686mm)  
Weight: 170 pounds typical (77kg)  
Cooling: Internal forced air

### Remote Operation

GPIB, RS422, RS485, RS232, or TTL Remote Control

### Environmental

Operating Temperature: 0 - 50°C (40°C @ 10,000 Feet)  
Relative Humidity: 95% (non-condensing)  
Operating Altitude: 10,000 feet maximum  
Non-operating Temp.: -20 to 70°C  
Non-operating Altitude: 50,000 feet maximum

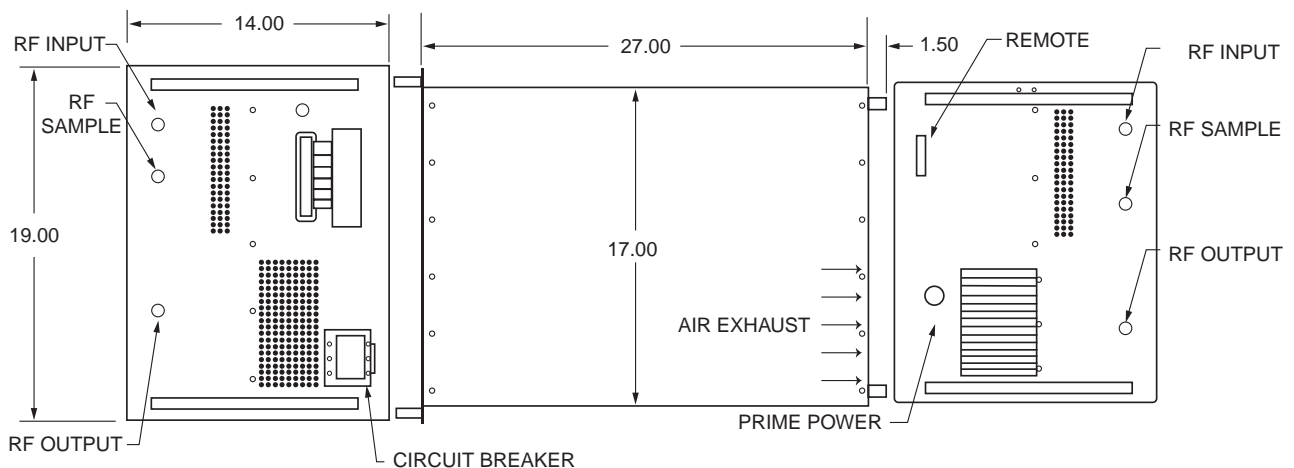
### RF Specifications

Spurious Outputs: -40 dBc, maximum.  
-50 dBc, available.  
Input Impedance: 50 Ohms, VSWR 2.0:1  
Output Impedance: 50 Ohms, VSWR 2.0:1  
2.5:1 maximum.  
Input Connector: Type N (Female).  
Output Connector: 1.0 to 8.0 GHz,  
Type SC (Female),  
8.0 to 12.0 GHz, WR90  
12.0 to 18.0 GHz, WR62  
7.5 to 18.0 GHz, WRD750  
6.0 to 18.0 GHz, WRD650  
(Other waveguides available  
Option 117)

To view typical performance data go to  
[www.ifi.com/typdata.htm](http://www.ifi.com/typdata.htm)

### Outline Drawing:

Specifications subject to change without notice



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