



MMT SERIES

Millimeter Traveling Wave Tube Amplifiers

5-150 Watts CW
18.0-40 GHz

Features Include:

- **Digital Display Monitors:** Collector Current, Collector Voltage, Helix Current, Helix Voltage, Forward RF Power, Reflected RF Power, Filament Hours, Beam Hours,
- **Status Indicators:** Power On, Standby, RF On/Operate,
- **Faults:** Helix Overcurrent, VSWR Overload, Thermal Overloads, Air Flow, Collector Overcurrent
- **Controls:** Power On/Off, Standby, RF On/Operate, Fault Reset, Local/Remote
- Ease of Maintenance
- Designed to meet the safety requirements of the IEC-348 and Underwriters Laboratory of American Standards
- Broadband Coverage
- Applications Include:
MIL-STD-461/462, RTCA/D0-160, SAE Specifications, Radiated Susceptibility, Broadband Communications.
- Ruggedized Versions are available for Shipboard and Airborne applications



RF Specifications

Model Number	Frequency Range (GHz)	Min Pwr Out* (Watts)	Min Sat Gain* (dB)	Max NF (dB)
T2618-5	18-26.5	5	37	35
T2618-10	18-26.5	10	40	35
T2618-25	18-26.5	25	44	40
T2618-40	18-26.5	40	46	40
T2618-50	18-26.5	50	47	40
T4026-10	26.5-40	10	40	40
T4026-25	26.5-40	25	44	40
T4026-40	26.5-40	40	46	40
T4026-50	26.5-40	50	47	40
T3832-40	32-38	40	46	40
T3832-60	32-38	60	48	40
T3027-120	27.5-30	120	52	35
T3027-150	27.5-30	150	53	35

*Higher output power and gains available

INSTRUMENTS FOR INDUSTRY INC.

903 South Second Street, Ronkonkoma, NY 11779

Tel: 631-467-8400 • Fax: 631-467-8558 • E mail: sales@ifi.com

www.ifi.com

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

GPIO, 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

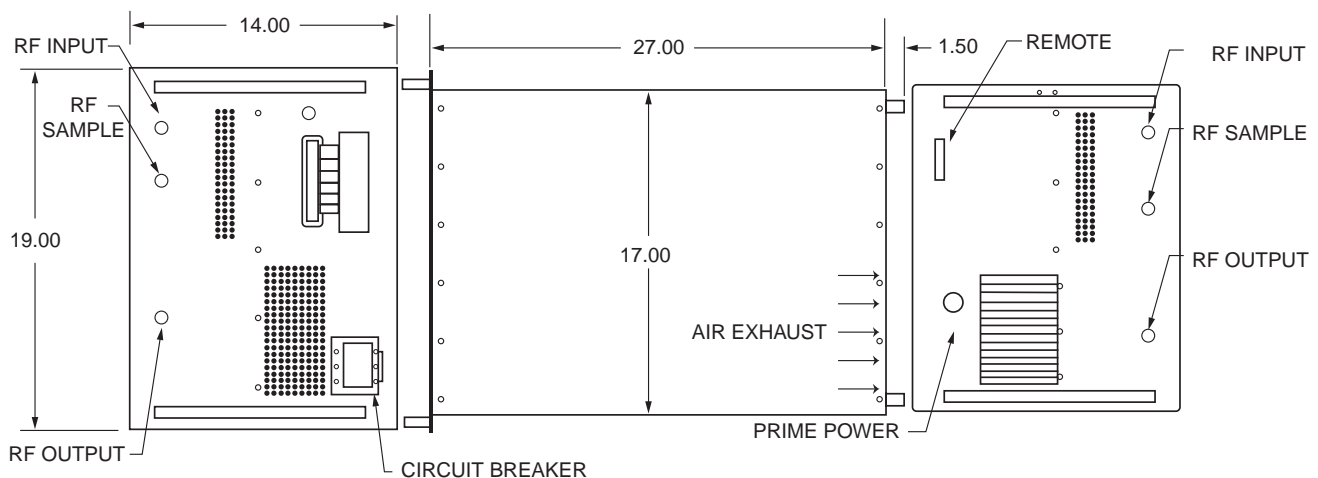
RF Specifications

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 K (Female).
Waveguide is available
(specify at time of order).
Output Connector: 18.0 to 26.5 GHz, WR42
26.5 to 40.0, WR28
(Other waveguides available
Option 117)

To view typical performance data go to
www.ifi.com/typdata.htm

Outline Drawing:

Specifications subject to change without notice



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IFI 中国总代理: 北京康泰电子有限公司

Tel: 8610-58731155 • Email: sales@quatronix-cn.com

www.ifi.com (英文) www.quatronix-cn.com (中文)