



T-300 & T-400 Series High Power TWT Microwave Power Amplifiers
1.0 – 18 GHz • 300-400 watts, Minimum Rated Power

Instruments for Industry, T-300 Series Amplifiers provide outstanding RF performance. Our "T-300 Series" products are a mature design but incorporate the latest features with respect to control and monitoring.

Operation safety and ease of use are paramount in IFI product designs. The IFI T-300 Series include a full complement of RF and hardware protection systems including high VSWR, over-current and voltage protection as well as redundant thermal and airflow sensors to prevent the TWT from overheating.

The backlit LCD screen shows forward/reverse power indication, system status and self-diagnostic information. All the amplifier operating parameters are simultaneously available in the amplifier front panel display as well as over the remote bus.

For computer automation both an RS-232 and IEEE-488 interface are included. To meet individual application needs, the

T-300 Series amplifiers can be easily customized with harmonic filters or other options. With this capability and its reliable elegant design, the T-300 series amplifiers are the perfect amplifier for your microwave needs.

IFI RF Power Amplifier Features:

- Instantaneous Broadband Frequency range
Modular Design Construction
Rugged Construction & High Reliability
Backlit LCD Display
Integrated Force Air Cooling
Self-diagnostic circuitry
IEEE-488 interface, RS232
Solid State Power Supply



Models & General Specifications:

Table with 8 columns: Model Number, Frequency Range (GHz), Rated Power (watts minimum), P1dB Power (nominal), Gain (dB min), Mains (kVA), Weight (Pounds), Size (Inches). Rows include models T21-300 through T1812-400-2.



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Standard Features for IFI T-300 & T-400 Series TWT Amplifiers

Table with 2 columns: Standard Features and Description. Features include VSWR protection, remote control, RF ports, and diagnostics.

Specifications:

Table with 2 columns: Specification and Value. Includes frequency range, power, gain, impedance, connectors, VSWR, temperature, humidity, altitude, cooling, modulation, configuration, and spurious outputs.

Standard Prime Powers:

Table with 2 columns: Prime Power and Description. Lists power ratings like 100, 115, 120 VAC and three-phase options.

Special Prime Powers other than listed are subject to availability

Some Available Options for IFI T-300 & T-400 Series TWT Amplifiers

Table with 2 columns: Option and Description. Lists options like 103 G/D, 110-1E, 110-2, 110-3, 113, 118F or R, and 123F or R.



Instruments For Industry

The Power Of Choice

CW TWT

AMPLIFIERS

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Option 129E:	External Harmonic Filtering
Option 129S:	Internal Switchable Harmonic Filtering

Instruments For Industry

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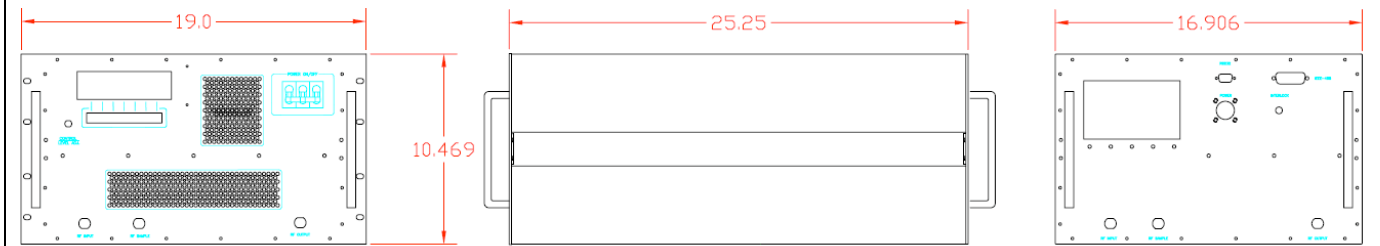


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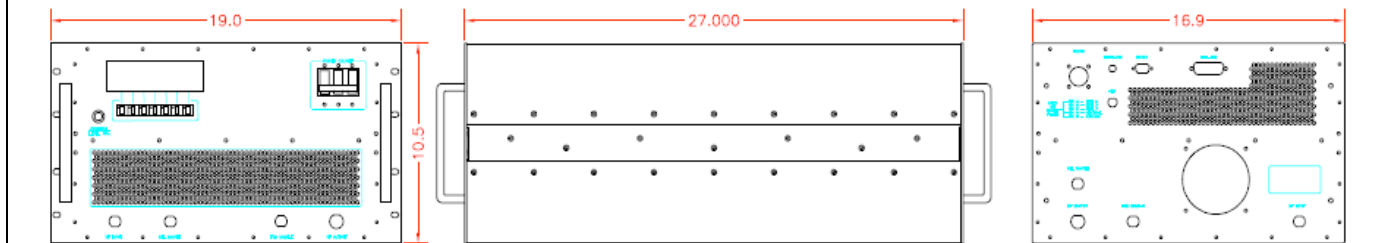
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Outline Configurations:

10.5"H x 25.25"D Chassis Outline



10.5"H x 27"D Chassis Outline



14.0"H Chassis Outline

