



T2618

Series Medium to High Power Millimeter TWT Amplifiers

18.0 – 26.5 GHz • 10-200 watts, Minimum Rated Power

Internal Systems Diagnostics & Status Indicators
Filament/Beam Elapsed Time Metering in hours
RF Safety Interlock
Forward/Reflected Power Indication simultaneously on Front Panel display

Specifications:	
Frequency Range:	As Specified in Model Table
Rated Output Power:	As Specified in Model Table
Gain @ Rated Power:	As Specified in Model Table
Prime Power:	As Required for Customer (Some are listed below)
Input/output Impedance:	50 ohms
RF Input/ Sample Connectors:	Type K Female, unless specified otherwise
RF Output Connector:	WR42 Other waveguides available by request or specification (see Option 117)
Input VSWR:	2.0:1
Output VSWR:	2.5:1
Operating Temp:	0° to 50° C
Non-operating Temp/Altitude:	-40° to 70° C (50,000 feet max)
Humidity:	95% without condensation
Operating Altitude:	10,000 feet
Cooling System:	Air cooled, self-contained
Modulation:	All types, AM, FM, Pulse
Configuration:	Rack Mount as specified in Model Table, or Cabinet Integrated as needed
Spurious Outputs:	<-60 dBc nominal

Standard Prime Powers:
100, 115, 120 VAC ±10% 50/60 Hz, single phase
200, 220, 230, 240VAC ±10% 50/60 Hz, single phase
100/200VAC, 115/208 or 200/220/230/240VAC ±10% 50/60 Hz, three phase Wye or Delta and/or 400 Hz power is available.
Special Prime Powers other than listed are subject to availability

Some Available Options for IFI T2618 Series TWT Amplifiers	
Option 103 G/D:	VSWR Reflected Power Protection "Graceful Degradation Feature" which will automatically reduce the input drive and fold back the output power when the average reflected power exceeds a preset limit of 3.0:1. The unit operates without damage or oscillation into any magnitude of phase or load impedance.
Option 110-1E:	GPIB IEEE-488 RS232 and Ethernet Remote Control
Option 110-2:	GPIB IEEE-488 and RS 422 Remote Control
Option 110-3:	GPIB IEEE-488 and RS 485 Remote Control
Option 113:	Chassis Slides for 19" Rack Mounting
Option 118F or R:	Front Panel RF Connections 118R for Rear Panel RF Connections
Option 123F or R:	Reflected RF Sample Port -40, -50 or -60dB N or SMA, Front or Rear Panel



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Outline Configurations:

