

### FEATURES

Rack mounted Roll-Around cabinet  
 Push-pull MOSFET design  
 Suitable for all single channel modulation standards  
 Built-in control, monitoring and protection circuits  
 High reliability and ruggedness

### ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1.6 - 30 MHz	Instantaneous
Power Output@ Psat	5.0 KW Watt Min	CW
Power Output @ 1dB compressions	3.0 KW Typ	
Power Gain	67 dB Min	0dBm for normal operation
Gain Flatness	3 dB p-p Max	
Input Return Loss	10 dB Min	
Harmonics 2nd /3rd	-15 / -18 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Gain Adjustment	20 dB Min	Continuous range
Power Consumption	15 KW Max	At rated Pout
Input Overdrive Protection	+8 dBm	<10Sec without damage
Load VSWR	5 : 1 Max	<1 minute at rated Pout

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	0 to +45 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensing

### MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	4 x 5U + 2U	Without rack cabinet
Weight	300 Kg Max	
RF Connectors In/Out	N Female / 1-5/8" EIA Standard	Rear
AC Power	187-264 VAC Delta (4 wire) Wye compatible	47-63Hz, 3-phase
Cooling	Built in cooling fans	
Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, USB, RS-232, IEEE-488.2 GPIB, LCD Display	

### Applications

Test and Measurement  
 Electronic Warfare  
 Radar  
 Broadband Jamming  
 Public Safety

### Quality & Certifications

AS9100 Rev C  
 ISO9001:2008

### Global Service Centers

Orlando, USA

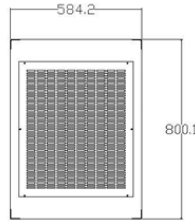


MtronPTI SSHA Products: <http://www.mtronpti.com>

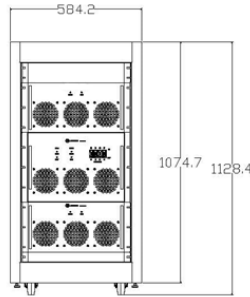


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OUTLINE DRAWING(ref. Only)



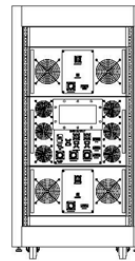
Top View



Front View



Side View



Rear View

Orlando

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Experienced

MtronPTI continues nearly fifty years of service to aerospace, defense communication and control, Internet and mobile infrastructure, lab and field instrumentation OEMs.

Vertically integrated

MtronPTI provides High reliability, High Power Solid State Power Amplifier solutions for demanding applications. Our design and manufacturing capabilities cover 250KHz to 47GHz frequency range with power levels of 1W to 4kW for CW & Pulse application modules and over 10kW for such systems. Synergy between our engineering manufacturing- from concept, simulation, electrical & mechanical layouts to assembly & testing capabilities allow for quick engineering & manufacturing responses to customer requests.

One-on-one technical relationships

Each project is unique in design, environmental, schedule and cost requirements. MtronPTI engineers work with your designers to select the best approach. Six sigma and AS9100 Rev C quality systems ensure reliable solutions.

Long term support

MtronPTI uses Rapid Process Feedback, Lean Manufacturing and Demand Flow Technology for right product, right time, on specification. MtronPTI also manages the supply chain: aligning forecasts, qualifying purchased component suppliers and working with distributors, hubs and portals to make sure every time the production line reaches for an MtronPTI part, it'll be there.

