

FEATURES

High frequency, high power 3-Bands
3 inputs and 3 outputs,
3 separate On/Off switches, 3 manual gain adjust dials
Rack mount chassis
Suitable for all single channel modulations standards
Built-in protection circuits
High reliability and ruggedness



Reference only

ELECTRICAL SPECIFICATIONS

MODEL		Band A	Band B	Band C
PARAMETERS	LIMIT	SPECIFICATIONS		
Frequency Range	Min	18 - 26.5 GHz	26.5 - 31.5 GHz	31.5 - 40 GHz
Saturated Output Power CW	Min	10 Watt	8 Watt	8 Watt
Output Power @ P1dB CW	Typ	8 Watt	6 - 8 Watt	7 Watt
Small Signal Gain	Min	40 dB		
Gain Adjustment Range	Min	15 dB		
Gain Flatness	Max	6 dB p-p		
Input Return Loss	Min	10 dB		
Noise Figure	Min	10 dB		
Harmonics	Max	-20 dBc		
Non-harmonics Spurious	Max	-60dBc		
Operating Voltage	Nom	100 - 240 VAC		
AC Power Consumption	Max	600 Watt		
Max Input Power	Max	0 dBm <10 Sec without damage		
Load VSWR Protection	Max	5 : 1 <1 Minute @ rated Pout		

ENVIRONMENTAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Operating Ambient Temperature	0 to +50 °C
Storage Temperature	-20 to +75 °C
Relative Humidity	5 to 95 % Non-Condensing

MECHANICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS		
Dimensions W x H x D	482 x 222 x 400 mm (Short 5U Rack)		
Weight	25 kg.		
RF Connectors - Standard Configuration	Front Panel - 2.92 mm SMA female		
Option Connectors In - Front /Out - Rear	2.92 mm SMA / WG28	2.92 mm SMA / WG34	2.92 mm SMA / WR42
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub		
Cooling	Built in Fan Cooling		

Applications

Test and Measurement
Electronic Warfare
Radar
Broadband Jamming
Public Safety

Quality & Certifications

AS9100 Rev C
ISO9001:2008
RoHS compliance
Conflict Minerals Compliant

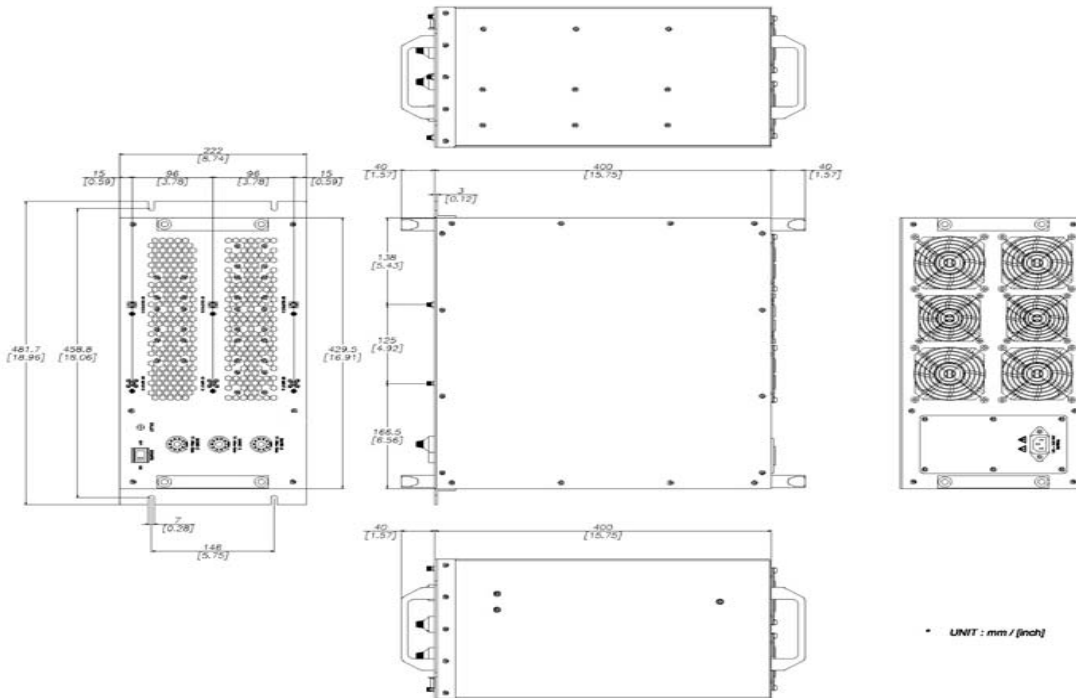


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Experienced

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

Vertically integrated

MtronPTI provides High reliability, High Power Solid State Power Amplifier solutions for demanding applications. Our design and manufacturing capabilities cover 50KHz 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.

