



PA26540-5W 26.5-40GHz 37dB SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Small and light weight bench-top chassis
Class AB linear GaAsFET hybrid design
Instantaneous wide bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	26.5 - 40.0 GHz	
Power Output	5 Watt Typ	Saturated CW
Power output at P1dB GCP	3 Watt Typ	
Power Gain	37 dB Min	
Power Gain Flatness	6.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
Noise Figure	12 dB Max	
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	90 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Seconds without damage
Load VSWR Protection	∞ : 1	<1 Minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	265 x 88 x 229 mm	Bench Top
Weight	8 kg.	
RF Connectors In/Out	2.9 mm (K / air type) Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	

Applications

EMC-EMI/RFI

General Communications

Test & Measurement

Quality & Certifications

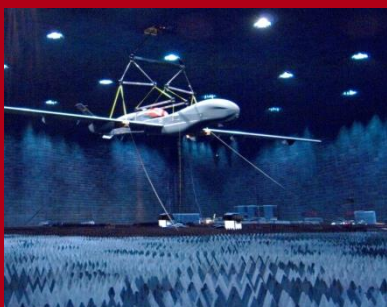
AS9100 Rev C

ISO9001:2008

Global Service Centers

Orlando, USA

Noida, India



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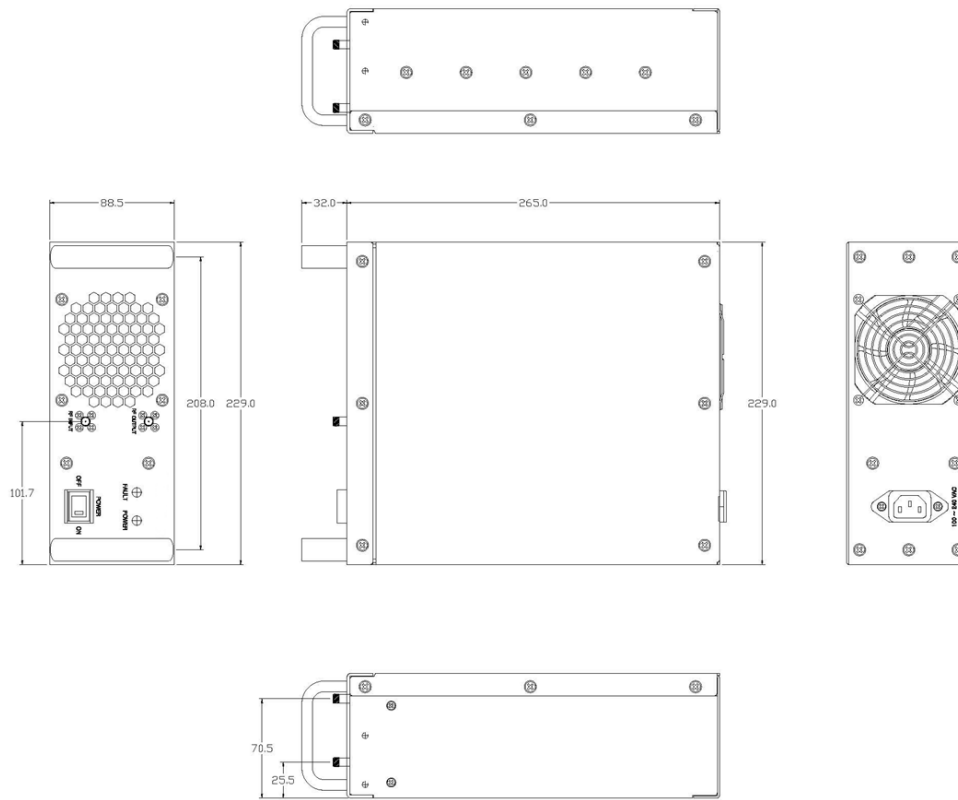
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Experienced

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.

