HD35267
SOLID STATE MEDIUM POWER AMPLIFIER

FEATURES

Small form factor benchtop system
Broadband advanced technology design
Designed for broadband EMI/RFI, Lab, Comm. and EW applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness
LEGACY PN: MPA6012



ELECTRICAL SPECIFICATIONS : 50Ω, 25?C

Parameter	Specification	Notes
Operating Frequency Range	16.0 - 18.0 GHz	
Power Output @ Psat	1 Watt Min	CW or Pulse
Power Output @ P1dB	1 Watt Min	
Power Gain	30 dB Min	0dBm or less for rated Pout
Power Gain Flatness	2.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	
2-Tone Intermodulation (IMD)	-30 dBc Typ	20dBm/Tone, Δ = 1MHz
Harmonics	-20dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Noise Figure	10dB Max	
Operating Voltage	100 - 240 VAC	47/63 Hz
Power Consumption	50 Watt Max	At rated output
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 min @ rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	up to 95 %	Non Condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport[1]	

1 MIL Spec available for quotation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	210 x 100 x 300 mm	Excluding brackets
Dimensions W x H x D (Benchtop)	242 x 110 x 384 mm	Including brackets
Weight	8 kg.	
RF Connectors In/Out	Type-SMA Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control (DMC) FWD, REV, VSWR, GAIN, ALC, V & I, TEMP, **OPTIONAL**: Safety Interlock	Ethernet RJ-45 TCP/IP, RS422/485, USB Open=STBY/Short=RFON	Requires larger 3U chassis. BNC Female on rear panel

AVAILABLE SPECIAL OPTIONS

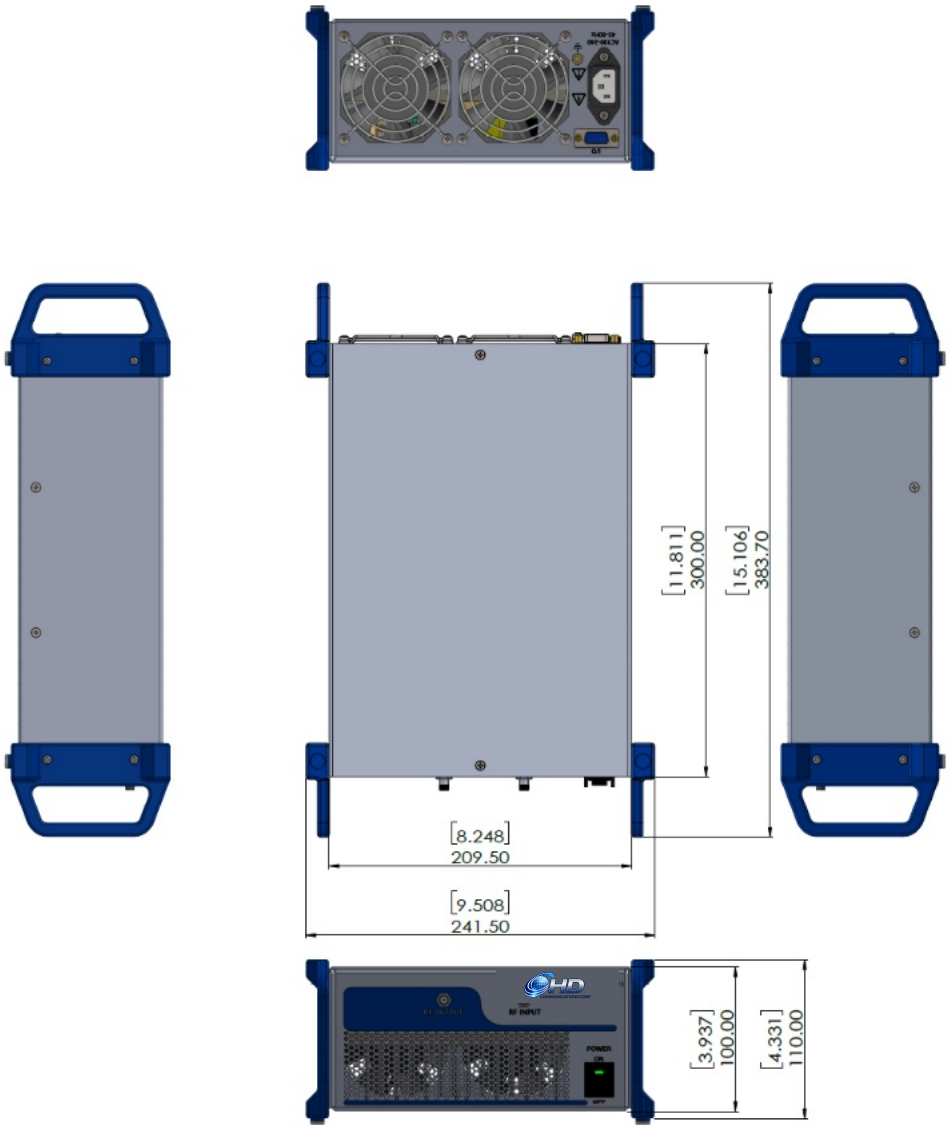
Parameter	Specification	Notes
Option 3.5mm:	3.5 mm female connectors	

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Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

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OUTLINE DRAWING



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