HD35266
SOLID STATE HIGH POWER PULSE AMPLIFIER

FEATURES

Designed for EMI/RFI, lab, Pulse and all communication applications
Small form factor, rack mounted system
Class AB Linear design, High Power Advanced technology devices
Designed for high power narrow S-Band Pulse Applications
Ideal for stand-alone use or as a TWT/Klystron driver
Built-in protection circuits, with extensive monitoring
Local LCD & remote flexible interfaces
High efficiency, with unprecedented reliability and ruggedness



ELECTRICAL SPECIFICATIONS : 50Ω, 25ºC

Parameter	Specification			Notes	
Operating Frequency	2.9985 GHz				
Power Output	1000 Watt Min			Peak pulse	
Power Gain	60 dB Min			0dBm or less for rated Pout	
Pulse Characteristics	**Width**	**Duty**	**PRF**	**Rise/Fall**	**Droop**
	4.5 µS	6 % Max	Up to 10.0 KHz	<100 nS	<1 dB
Gain Adjustment Range	20 dB Min			Local or remote capable	
Pulse to Pulse Amplitude stability	0.1 dB				
Pulse Jitter	2 nS Max				
Input Return Loss	-10 dB Max				
Output Power On/Off Ratio	-80 dB Max			TTL Gate Control	
Harmonics	-20 dBc Typ			At rated output power	
Spurious	-60 dBc Max			Non-harmonics	
Operating Voltage	100 - 240 VAC			47-63 Hz	
Power Consumption	500 Watt Avg			@ 6% Duty cycle	
Input Power Protection	+10 dBm Max[1]				
Load VSWR Protection	4 : 1: Max[2]			Foldback @ preset limit	

1 Units with optional digital monitor and control, for basic units <10 Sec without damage
2 Units with optional digital monitor and control, for basic units <1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 ºC	
Storage Temperature	-40 to +85 ºC	
Relative Humidity	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport[3]	

3 MIL Spec available for quotation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	482 x 133 x 560 mm	3U, excluding handles
Weight	20 Kg. Max	
RF Connectors In/Out/Sample (optional)	Type-N Female	Front or rear panel
Gate Control	BNC Female	Front panel
Interface Connector	9-Pin D-Sub	Rear panel
AC Power	IEC 60320-C14	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
STANDARD: Digital Monitor & Control[4] FWD, REV, VSWR, GAIN, ALC, V & I, TEMP, **OPTIONAL**: Safety Interlock	Ethernet RJ-45 TCP/IP, RS422/485, USB Open=STBY/Short=RFON	 BNC Female on rear panel

338 Jericho Tpk, Unit 387 Syosset, NY 11791 Phone: 631-588-3877
www.rfamplifiers.com sales@hdcom.com www.rfcomp.com

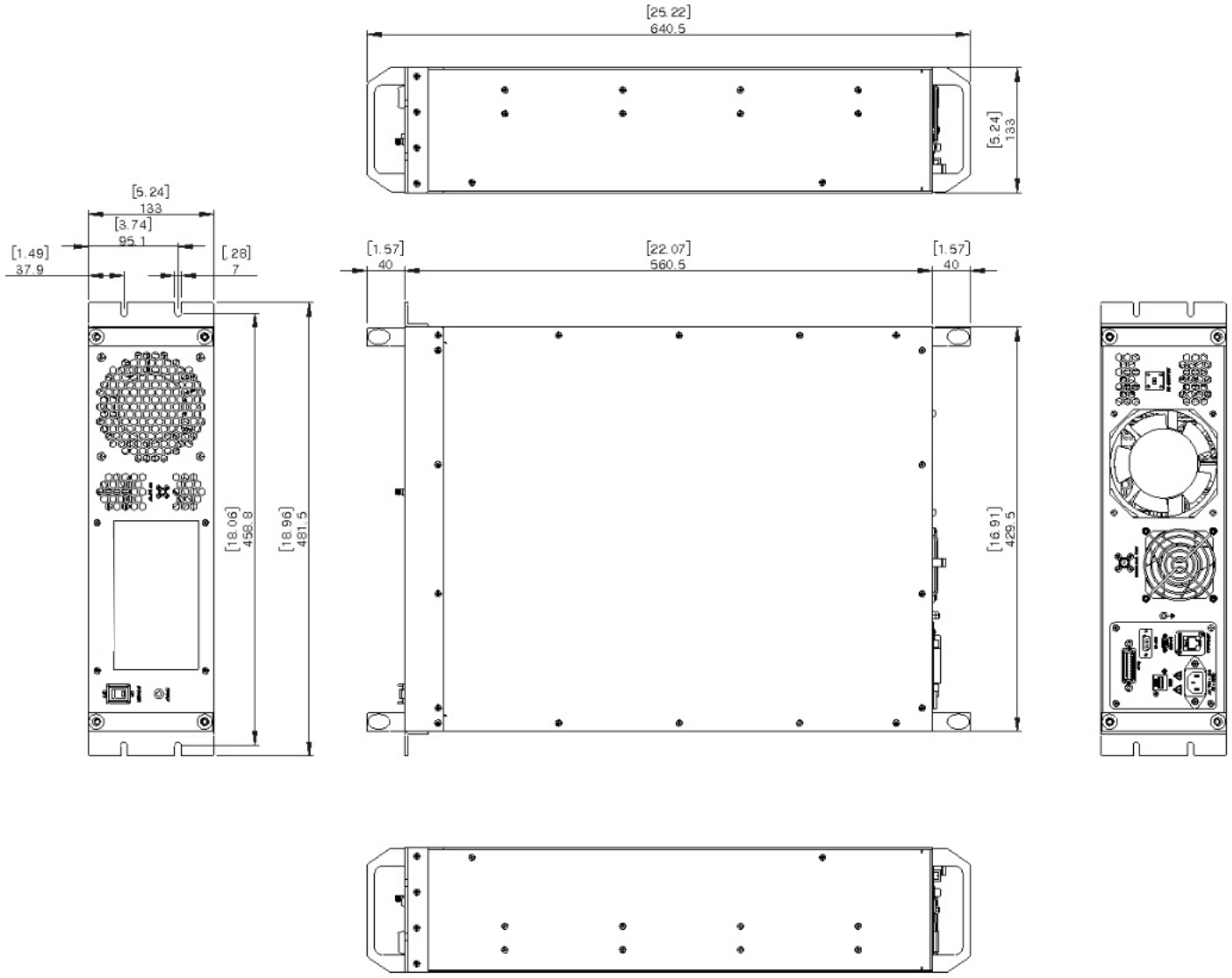
Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

HD35266
SOLID STATE HIGH POWER PULSE AMPLIFIER

AVAILABLE SPECIAL OPTIONS

Parameter	Specification	Notes
Option FRS: Forward RF Sample	-60dB, Type N-Female	Front or rear panel
Option RRS: Reflected RF Sample	-60dB, Type N-Female	Front or rear panel
Option GPIB: GPIB remote control	GPIB IEEE-488 Remote capability	
Included CPM: Calibrated Power Monitoring (With purchase of Option DMC)	Offset correction entry for +/- 0.2dB accuracy	1-point standard

OUTLINE DRAWING
SHOWN WITH OPTIONAL LCD DIGITAL CONTROLLER



338 Jericho Tpk, Unit 387 Syosset, NY 11791 Phone: 631-588-3877
www.rfamplifiers.com sales@hdcom.com www.rfcomp.com

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