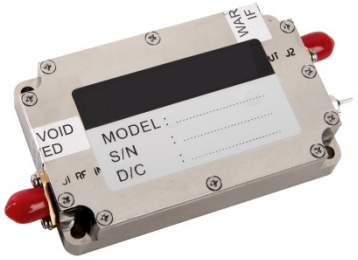
HD31925
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.

FEATURES

Class AB linear GaAs 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	800 - 3000 MHz	
Power Output Psat	2 Watt Min	CW
Output Power @ P1dB	1.5 Watt Min	CW
Power Gain	33 dB Min	
Power Gain Flatness	2.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	23dBm/Tone, Δ = 1MHz
Harmonics 2nd / 3rd	<-15 dBc / <-20 dBc Typ	At rated Pout
Non-harmonics Spurious	-60 dBc Max	
Operating Voltage	12 -13 VDC Nom	
Current Consumption	0.9 Amp Max	At rated Pout
Max Input Power Protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	∞ : 1	<1 minute @ rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +75 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	80 x 50 x 17 mm	Excluding connectors
Weight	150 gr.	
RF Connectors In/Out	SMA female	
DC Power / Interface Connector	Feed Thru	
Cooling	External Heatsink	

OPTION ORDERING INFORMATION:

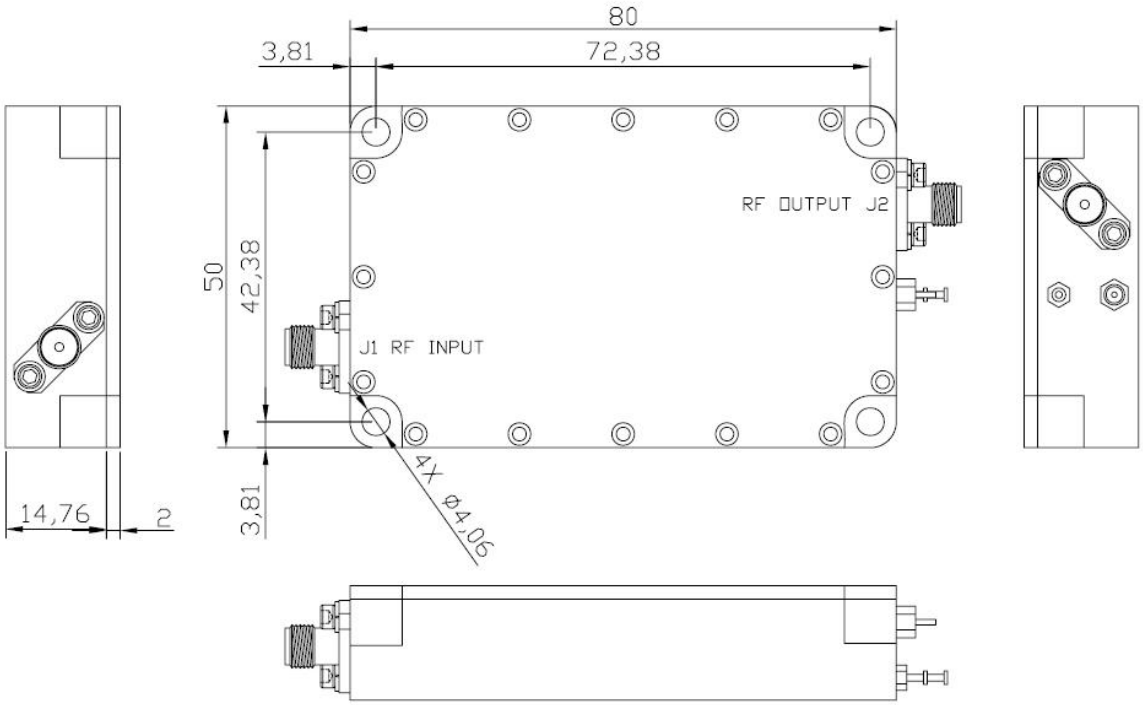
OPTION	Function	Description
101	FWD	Forward power detect
103	VVA	Variable Voltage Attenuator

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

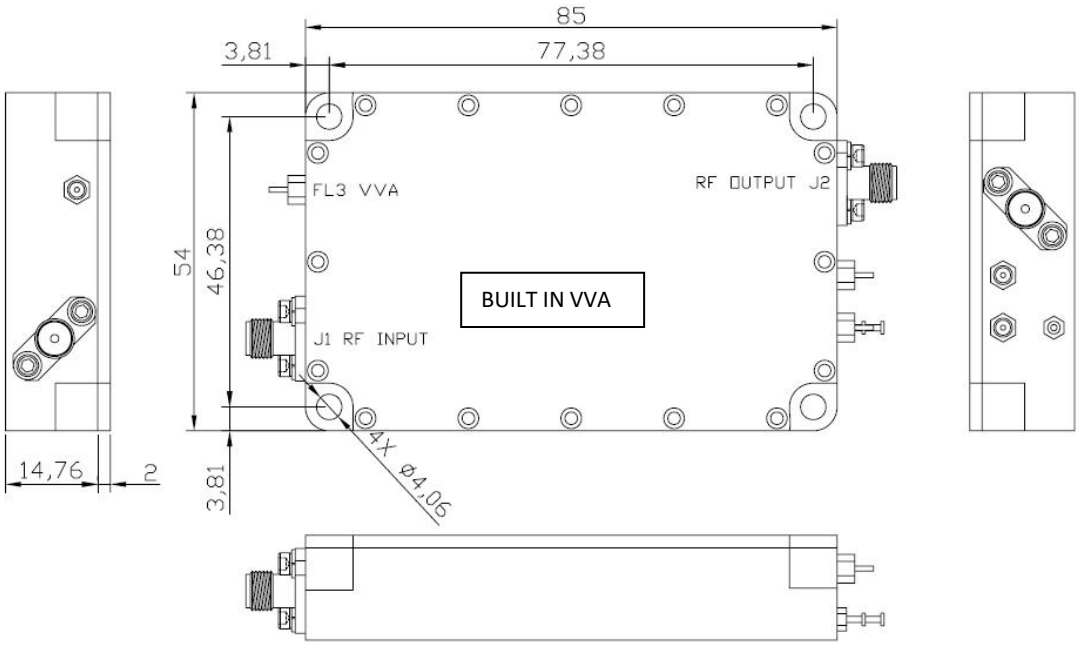
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OUTLINE DRAWING



Below outline shown with Option 103 – Built in VVA



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