

20-1000MHz 80W High Power Amplifier



Applications

- Anti-IED Applications
- Radar
- Electronic Warfare
- Radio & Radio boosters

Features

- Multi-Octave Broadband
- High Efficiency
- Compact Size and Light weight
- Protections against High VSWR, Over temperature
- Communication thru RS-232(optional)
- Temperature Monitor
- Output Power Control

PARAMETER	SPECIFICATION	COMMENTS
Transmit		
Frequency Range	20 to 1000 MHz	
RF Rated Output Power	49dBm min.	Saturated Power (80W)
Gain at Rated Output Power	50dB min.	Includes Temp and Freq
Gain Flatness @ rated power Fine Grain Flatness @ rated power	+/-3.0dB +/-0.5dB	Full Band Per 30MHz
Linearity, Third Order Intermodulation Product Suppression	-25dBc max.	Two tones each 6dB below specified output power, 1MHz separation
Harmonics In Band Out of Band	-15dBc max. -60dBc max.	
Spurious Outputs:	<-60dBc max.	
Input VSWR, transmit mode	2. max.	
Noise Figure	12dB max.	
Input/Output Impedance	50Ohms nominal	
Input Level (No damage)	10dBm continuous	
Switching Functions		
RF Blanking Control: * must withstand 5.0V	TTL Hi = Enable TTL Low = Blank	TTL Hi > 2.75V or open TTL Low < 0.8V
Blanking Speed:	Figure 2-2	
Prime Power		
DC Input Voltage	20-34 VDC	28 VDC nominal
DC Power High Power Output Level In Blank Mode :	240 Watts, max 6 Watts	Over Specified Also See 3.2.1.2
Mechanical		
Dimensions	6.4 x 3.4 x 1.1 inch max.	
Weight	1.0 lbs. max.	
Connectors Input Output	Female SMA Female TNC	

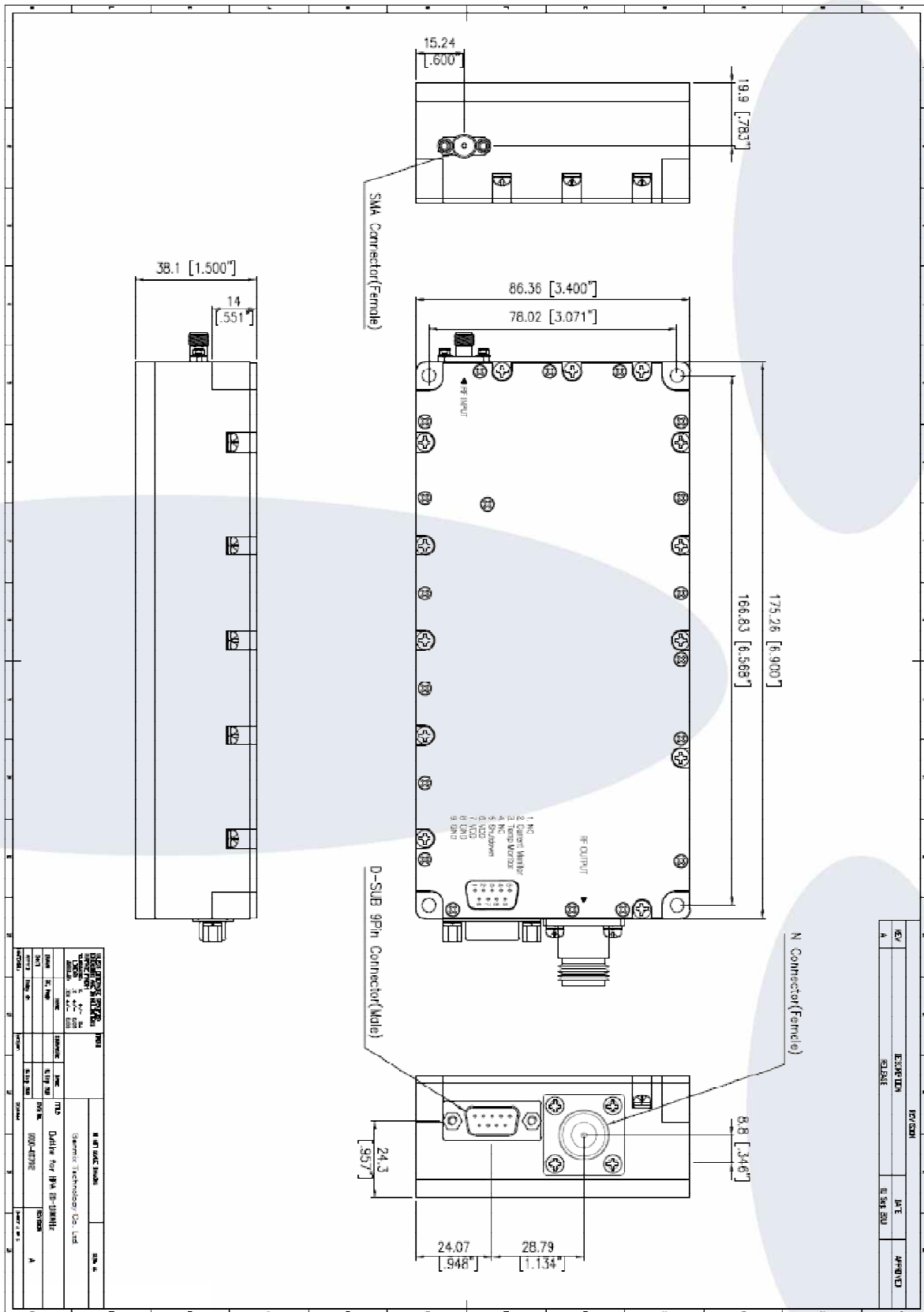
The specification subject to change without notice.

For the customized specification, price, and delivery ; Contact us



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