



Solid State Power Amplifier 500 to 18,000 MHz, 50 Watts

Features

Dual-Band, manual relay switching
 Rack Mounted System Class AB linear GaN
 design Built-in protection circuits High
 reliability and rugged design.



Parameter	Specifications	Comments
Band	Band A 0.5-6 GHz	Band B 6 to 18 GHz
Frequency Range by Band		
Power Output:	50 Watts Min 47 dB	Psat CW Min
Gain Flatness:	4 dB P-P Max	6.0 dB P-P Max
Power Gain Flatness:	-10 dB Max	Relative to 50 Ohms
2-Tone IMD Band A/Band B	-30 dBc Typ	37 dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-20 dBc Typ	-13 dBc to -15 dBc@ 500 MHz@ rated Pout
Spurious:	-60 dBc Max	Non-harmonics
Operating Voltage:	100-240VAC	
Impedance:	50 Ohms	
Power Consumption:	600 Watts Max	At rated Pout
Input Power Protection:	+3 dBm Max	10 Sec Max without damage
Load VSWR Protection:	5:1 Max	1 Min Max @ rated Pout
Operating Temperature:	0 to 50 C	
Storage Temperature:	-40 to +85C	
Humidity:	5 to 95% RH	Non Condensing
Dimensions:	430 x 133 x 560mm	W X H X D
Weight:	20 Kgs	Max
Connectors:	N Female	
AC Power/Interface Connector	IEC 60320-C14/9-Pin D-Sub	
Cooling	Built in forced air cooling	
Display	Digital Monitor & Control for FWD, REV,VSWR,GAIN,ALC,V&I, TEP	Ethernet RF-45 TCP/IP,RS422/485, USB

1 2 3 4 5 6 7 8



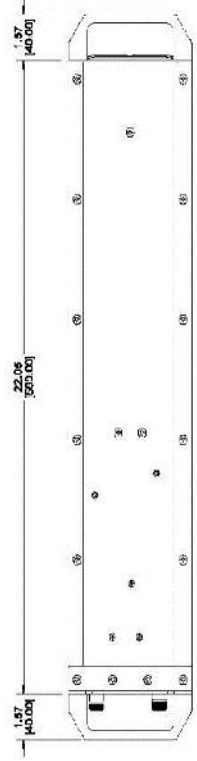
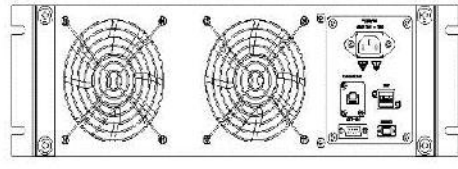
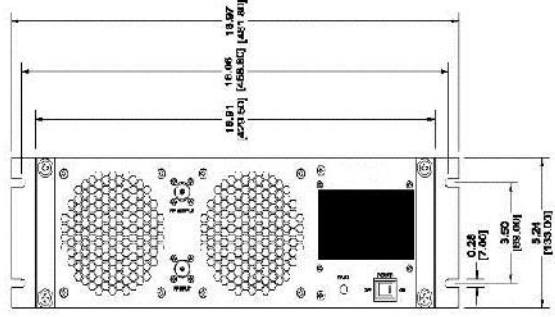
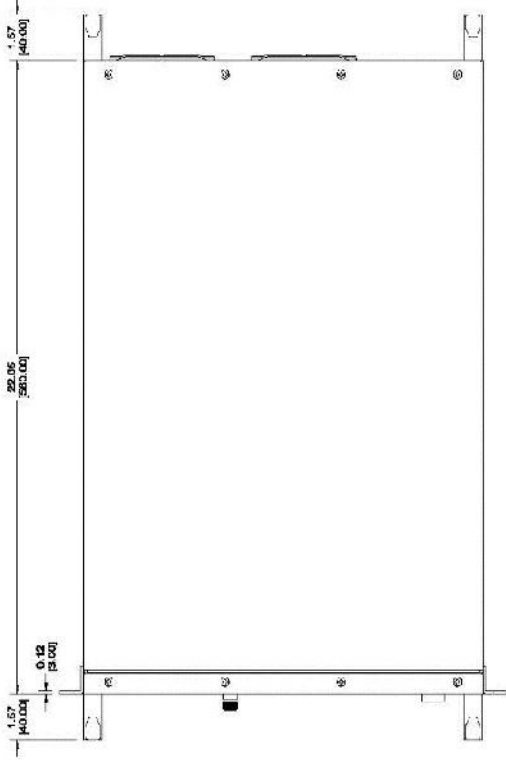
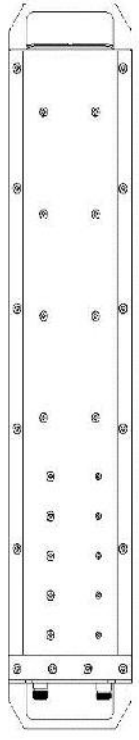
R & N MICROWAVE

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f e d c b a

MECHANICAL OUTLINE



1 2 3 4 5 6