



R&N MICROWAVE

RN-SSPA-3012 2 to 200 MHz, 75Watts



FEATURES

Small form factor rack-mounted system

Class A/AB linear LDMOS design

Instantaneous RF & VHF bands wide bandwidth coverage Suitable for all single channel modulation standards Built-in protection circuits

High reliability and ruggedness

Parameter	Specification	Notes
Operating Frequency Range	2 - 200 MHz	
Power Output @ P1dB	75 Watt Typ	CW
Power Gain	49 dB Min	
Power Gain Flatness	3.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	38dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	500 Watt Max	At rated Pout
Input Power Protection	+7 dBm Max	<10 Sec without damage
Load VSWR Protection	∞ : 1	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

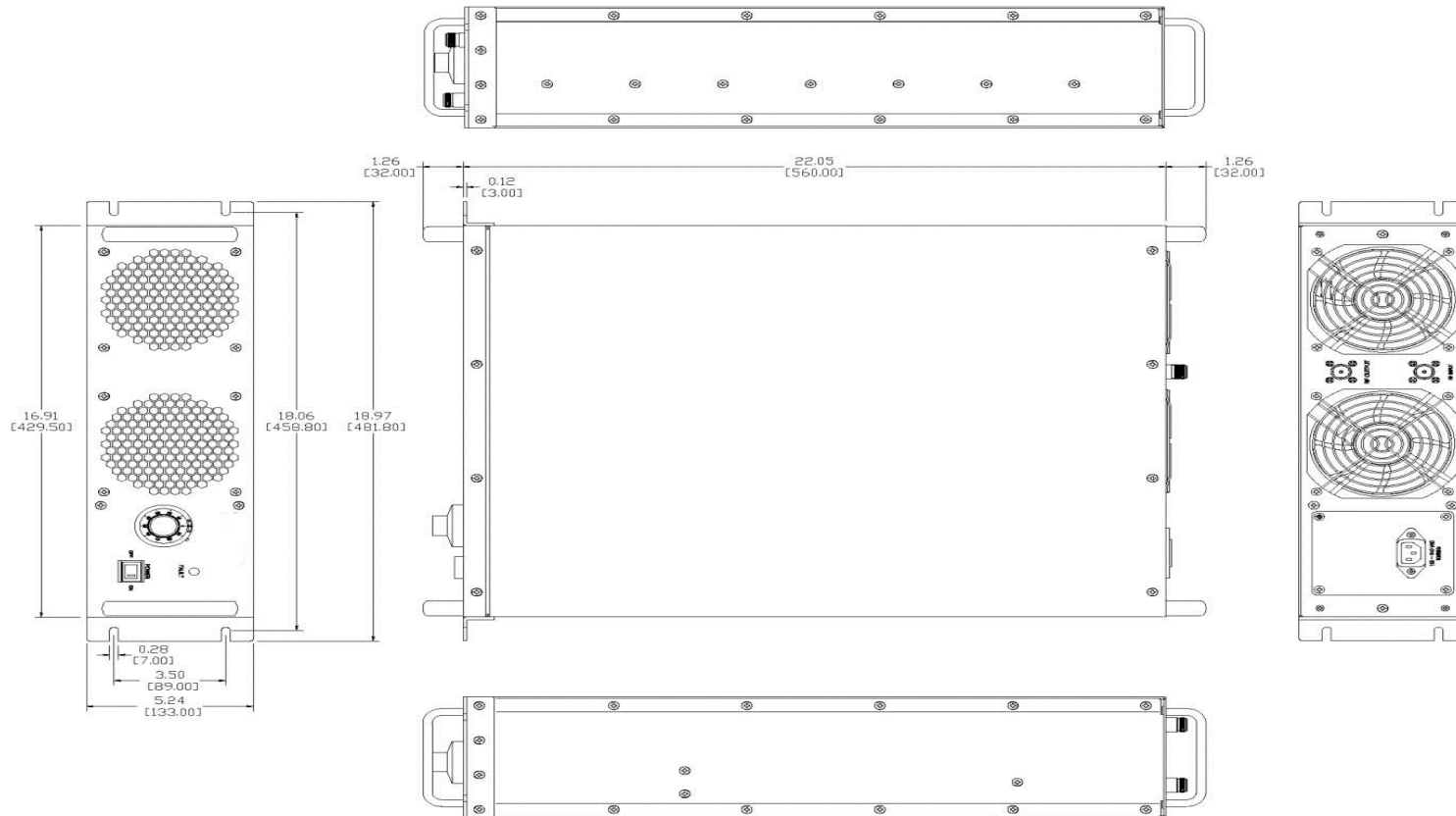
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U
Weight	17 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent



R&N MICROWAVE

RN-SSPA-3012
2 to 200 MHz, 75 Watts



MECHANICAL OUTLINE