



# AMP6016 SOLID STATE HIGH POWER AMPLIFIER



## FEATURES

- Rack mounted system
- Class AB solid-state linear design
- L-Band high power applications
- Suitable for all modulations standards
- Built-in protection circuits
- High reliability and ruggedness

## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1226 - 1229MHz	
Power Output	100 Watt Min	CW
Power Gain	55 dB Min	
Small Signal Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	<10 dB	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30dBc Typ	40dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	>20 dBc Typ	At 100 Watt
Noise Figure	<10 dB	
Non Harmonics Spurious	60 dBc Min	
Operating Voltage	100 - 260 VAC	
Power Consumption	600 Watt Max	At rated Pout
Max Input Power	+27 dBm	Protection Circuit
Load VSWR Protection	$\infty : 1$	

## 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
Shock and Vibrations	Normal truck transport	
Altitude	10,000 feet Min	

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U
Weight	20 kg.	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
<b>OPTIONAL:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485	Remote Bluetooth application

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## OUTLINE DRAWING

