AMP2065C-LC
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Class AB linear GaN hybrid design
Instantaneous ultra-wide bandwidth
Solid-state TWT replacement
Designed for broadband EMI/RFI, Lab, Communication applications
Small form factor, light weight rack mounted system
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	6.0 - 18.0 GHz	
Power Output @ P1dB	150 Watt Min	CW
Power Gain	52 dB Min	Nominal Pin = 0dBm
Power Gain Flatness	5 dB p-p Max	Constant input power
Input / Output Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	42dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated output
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	180 - 240 VAC	
Power Consumption	2500 Watt Max	At rated output
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated min 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 311 x 560 mm	R7U - Excluding connectors
Weight	50 Kg.	
RF Connectors In/Out	Precision N Female / WR-650	Front or rear Panel
AC Power / Interface Connectors	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Quiet Cool Hybrid Air/Liquid	60 dBa Typ
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

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OUTLINE DRAWING