



AA-10K100M-700 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Class A/AB linear LDMOS design
- Instantaneous ultra-wide bandwidth
- Rack mounted system
- Designed for broadband EMC-EMI/RFI, all Lab, Automotive & BCI applications
- 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	10 kHz - 100 MHz	
Power Output @ Sat	1000 Watt Min	CW
Output Power @ P1dB	700 Watt Typ	
Power Gain	60 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	49dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	5000 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	∞ : 1	Auto Shutdown Foldback@ 6:1

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

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D cabinet	488 x 482 x 750 mm	*11U without cabinet
Weight	60 Kg. Typ	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	MS / 9-Pin D-Sub	
Cooling	Built in Quiet Cool Design	Variable Speed Fan Cooling
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

*Note: Rack integration quoted separately

OUTLINE DRAWING
(shown as rack integrated)

