HD32095
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Ultra-broadband, class A linear LDMOS design
Dual Band, internal RF switching for a common input and output connectors
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
Band Designation	**A**	**B**	
Operating Frequency Range	9 KHz - 100 MHz	100 - 1000 MHz	
Power Output CW.	1000 Watt Min / 1200 Watt Typ		CW
Power Gain	60 dB Min / 62 dB Typ		
Power Gain Flatness	4.0 dB p-p Max		Constant input power
Input Return Loss	10 dB Min		Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ		50dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Spurious	-60 dBc Max		Non-harmonic
Operating Voltage	3 x 400 VAC ±10 %		47 - 63 Hz
Power Consumption	9 Kw Max		At rated Pout
Input Power Protection	+8 dBm Max		<10 Sec without damage
Load VSWR Protection	10 : 1		<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +45 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D		
Weight		
RF Connectors In/Out A / Out B	Type-N Female / 7-16 Female	Rear panel
AC Power / Interface Connector	MS / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING

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