HD32090
SOLID STATE HIGH POWER AMPLIFIERS

FEATURES

High power ultrawide bandwidth, 2-Bands
2 inputs and 2 outputs, rack mount chassis
Suitable for all single channel modulation standards
Built-in digital controller and protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

MODEL	Band A	Band B
PARAMETERS	SPECIFICATIONS	
Frequency Range	0.7 - 6.0 GHz	6.0 - 10.0 GHz
Saturated Output Power CW	100 Watt Min	100 Watt Min
Small Signal Gain	50 dB	
Power Gain Flatness	4 dB p-p Max	
Input Return Loss	10 dB Min	
Noise Figure	10 dB Max	
Harmonics	-20 dBc Typ	
Non-Harmonics Spurious	-60dBc Max	
Operating Voltage	100 - 240 VAC Nom	
AC Power Consumption	2000 Watt Max - When operating simultaneously	
Max Input Power Protection	+ 5 dBm - <10 Sec without damage	
Load VSWR Protection	5 : 1 Max <1 minute at rated Pout	

ENVIRONMENTAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Operating Ambient Temperature	0 to +50 °C
Storage Temperature	-20 to +75 °C
Relative Humidity	5 to 95 % Non-condensing

MECHANICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Dimensions W x H x D	5U rack mounted chassis
Weight	30 kg.
RF Connectors In/Out	Type-N Female
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub
Cooling	Built in Fan Cooling
OPTIONAL: Digital Monitor & Control	Ethernet RJ-45 TCP/IP, RS422/485
FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Optional GPIB Interface

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OUTLINE DRAWING

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