



PRELIMINARY SPECIFICATIONS



DMA-400 HIGH RESOLUTION MONAURAL REFERENCE AMPLIFIER

SELECTED DESIGN HIGHLIGHTS:

- * State-of-the-art instrumentation amplifier.
- * Third generation high resolution design.
- * Ultra fast settling circuit architecture.
- * Precision RF type layout and topology.
- * Focused Array high-speed aligned fet output section.
- * SHHA high-speed hybrid driver module featuring exclusive "microdetailing" circuit tuning.
- * Power Vault magnetic field containment system.
- * New generation vertical mos-fet output transistors with innovative servo-bias tracking system.
- * Multiple power supply array with independent power supplies and bias adjustment for each output device.
- * Non-invasive optical and thermal protection circuits.
- * Fully discrete design with balanced monaural operation.
- * High current systemboard design with bulk copper technology.
- * All modular construction with instrumentation connectors.
- * Ultra-low distortion achieves one part-per-million signal accuracy.

DMA-400 MONAURAL REFERENCE AMPLIFIER TECHNICAL DATA

Power Output (continuous):	@ 8 ohms = 350 Watts RMS @ 4 ohms = 560 Watts RMS @ 2 ohms = 705 Watts RMS	
Output Current:	90 Amps peak	
Frequency Response:	± 0.1 dB, DC - 150 KHz ± 1 dB, DC - 1 MHz ± 3 dB, DC - 1.8 MHz	
Distortion:	less than 0.015 % from DC to 100 KHz, typically 0.009 % @ 350 WRMS/8 ohms	
Static:	8 Tone Cluster Test 20 KHz @ 500 Hz separation 0.01% @ 8 ohms 0.015% @ 4 ohms	
Dynamic:		
Speed:	less than 225 nanoseconds	
Risetime:	1.5 microseconds to -40 dB	
Settling:	650 volts/microsecond	
Slew Rate:		
Noise:	98 dB unweighted, 108 dB ASA A	
Signal to noise:		
Input:	10K ohms	
Impedance:	1.5 volts / nominal output	
Sensitivity:		
Power Supply:	100 volts, 120 volts, 220 volts (internal wiring/factory)	
Line Voltage:	± 10%	
AC Voltage Range:	2000 Watts	
Maximum Consumption:	115 Watts	
Quiescent Consumption:		
Operating Temperature:	0° to +50° Celsius range 32° to +122° Fahrenheit	
Protection Features:	Size and Weight:	
DC Protection Servo:	.5 volt range	Dimensions:
Current Limit Onset:	90 Amps	Weight:
Thermal Threshold:	Protects at 85° Celsius, 185° Fahrenheit	Warranty:
AC Main Fuse:	5A/3AG slo blo	20" (50.8 cm) W, 7¼" (18.4 cm) H, 19.6" (49.9 cm) D. 72 lbs, 34 kg Net 3 years parts and labor

