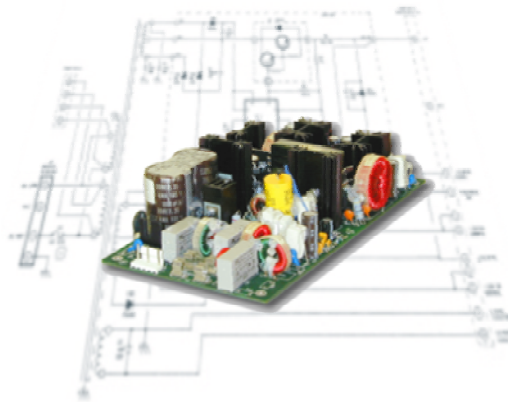


Therapeutic Ultrasound



Model CMD123

Total Output Power	130 watts
Output Channels	Quad
Input Mains Voltage	110/220VAC

STANDARD FEATURES

- Auto-Ranging universal input
90 to 132 VAC or 180 to 264VAC
- Less than 50 μ A leakage @ 132VAC
- EMI compliance to CISPR 11, FCC Class B
- Medical Approved to UL2601, IEC601-1 and CSA 22.2 No. 601.1
- Short circuit protection with auto-recovery
- Power fail, Current limit and OVP protection
- LED fault indicators

ENVIRONMENTAL

Operating temperature: 0° to 50°C ambient derate each output at 2.5% per degree from 50° to 70°C

Humidity: Operating; non-condensing 5% to 95%

Storage temperature: -40° to 85°C

Temperature coefficient: \pm .03% per °C

MTBF calculated: >150,000 hours at full load and 25°C ambient conditions. BELLCOR STD.

GENERAL SPECIFICATIONS

Input

Input range90-132 VAC or 180 to 264VAC
Auto-Ranging universal input
Frequency47-63 Hz
Inrush current20A max., cold start @ 25°C
Leakage Current Less than 100 μ A @264VAC
Efficiency70% typical at full load, nom. line
EMI filterFCC Class "B", CISPR 11 Class "B" and EN55011 Class "B"

Output

Maximum power 130 W max. convection cooled
Output Voltages (V1-Main) +5V/1.25A, (V2) +18V/2A, (V3) -18V/2A and (V4) 38V/1.25A
Hold-up time.....50 ms @ 130 W load, 115 VAC nominal line at factory voltage setting
Overload protectionShort circuit protection on all outputs.
Overvoltage protection5V output only: 5.8V to 6.3V.

Logic Control

Power failureTTL logic signal goes high after loss of 5V output.
Remote on/off.....Requires an external contact (N.O or N.C) to inhibit outputs
DC OKTTL logic compatible
Remote senseCompensates for 0.5 V lead drop min. Will operate without remote sense connected.
Reverse connection protected.

Physical

Size4.75"W x 2.0"H x 9.5"L
(120.6mm x 50.8mm x 241.3mm)
Weight2.2 lbs. (1 kg.)
ConstructionOpen PCB