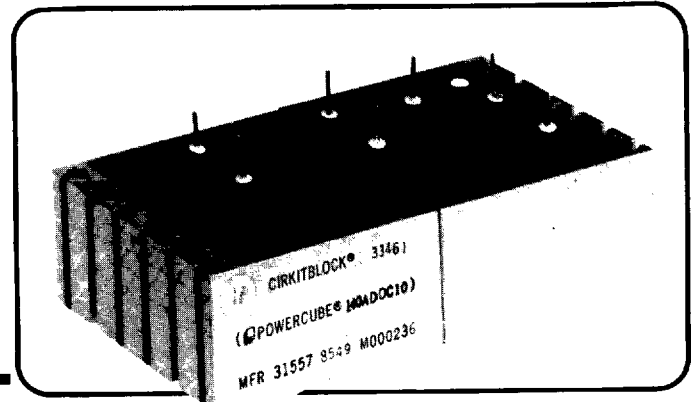


140ADDC10 100 Watt 3 ϕ AC-DC Converter

Features:

- 3 ϕ , 60 Hz input, 115 VAC (line-to-line) (MIL-STD-1399 Sec. 300 Type 1*)
- High power — 100 watt output
- Accepts positive transients equivalent to MIL-STD-704A thru D.

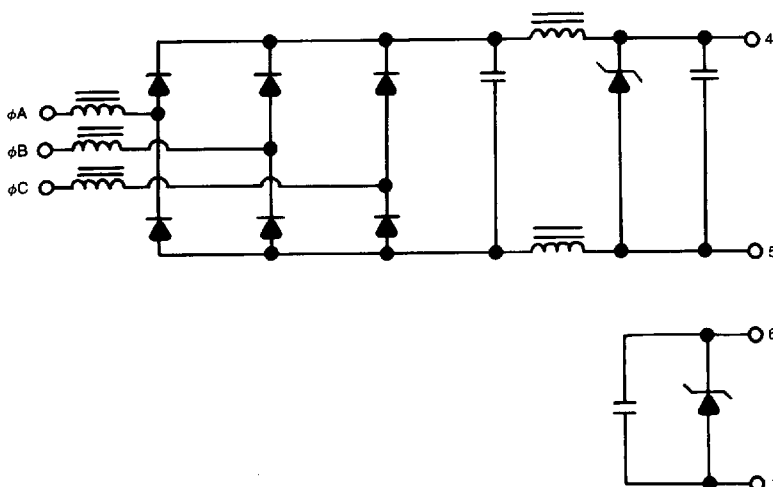


ADDC Series 100 Watt 3 ϕ AC-DC Converter

The ADDC Series Cirkitblock® module is a miniature AC-DC converter that accepts a 3 ϕ , 60 Hz, 115 VAC input (per DOD-STD 1399 Sec 300 Type 1)* and converts it to a 120-185 VDC**, non-isolated, filtered output. The output is suitable for use as a direct input to Powercube's Icecube™ CME line of DC-DC converters or to the 80ASP12-S2 preregulator module for use with our standard line of other Cirkitblock modules.

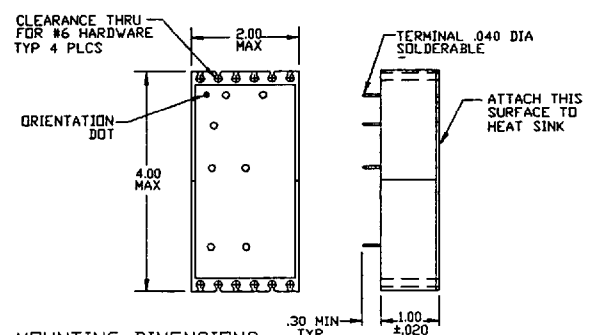
The module measures 2" x 4" x 1" and weighs approximately 12 ounces. The ADDC offers excellent economies in converting naval standard 115V 3-phase, 60 Hz primary power to DC with conversion efficiencies of 98% or better at rated load and nominal inputs.

Simplified Electrical Schematic

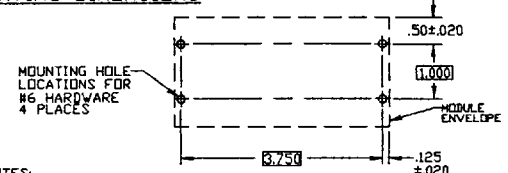


Representative Mechanical Outline

MODULE DIMENSIONS



MOUNTING DIMENSIONS



NOTES:
1. ALL DIMENSIONS IN INCHES.

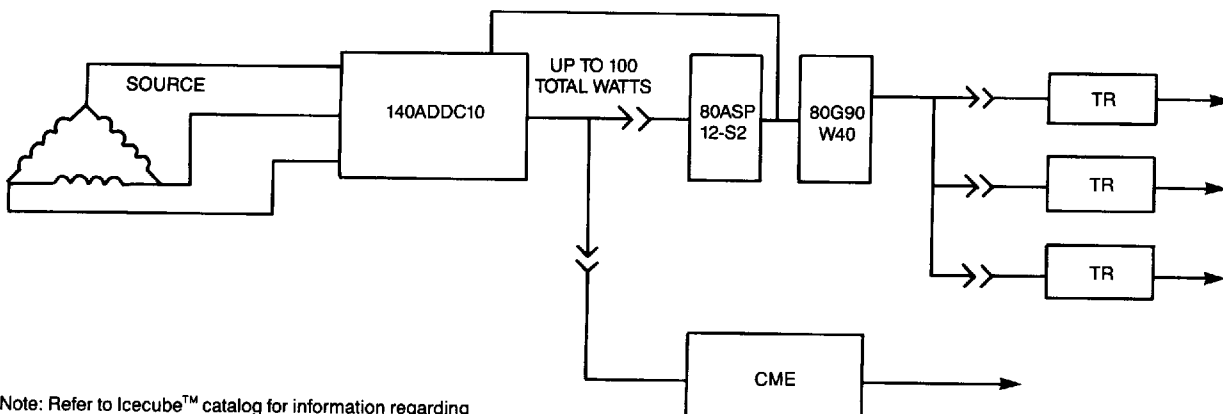
*(less 2500V voltage spike and power factor)

** The maximum output voltage drops to 175 VDC when pre-loading a POWERCUBE CME series module(s) at no load.

SPECIFICATIONS 140ADDC10

Input Voltage:	3 ϕ 95 to 132 VAC. line-to-line 47-63Hz MIL-STD-1399 Sec 300 Type 1* equivalent to MIL-STD-704A/B plus positive transients
Input Current (AC) at V_{IN} Nom. & rated load, each phase:	560mA rms (Max.)
Input Current (AC) at V_{IN} Nom. & no load, each phase:	60mA rms (Max.)
Output Voltage:	120-185 VDC** (155 VDC Nom.)
Rated Load:	1.0 Amp DC
Efficiency:	Typically 98%
Operating Temperature:	-55°C to +100°C (Case)
Storage Temperature:	-65°C to +125°C
Weight:	12 oz. (Max)
Finish:	Anodized per MIL-A-8625-II, Class 2
Terminals:	0.040" diameter solderable per MIL-T-10727
Isolation	(all terminals to case) 500 VDC allowing 5 μ A leakage Max.

Typical Application



Note: Refer to Icecube™ catalog for information regarding CME module shown.

*(except for 2500V spike and power factor.
See transient suppressor TS1000A.)

** The maximum output voltage drops to 175 VDC when pre-loading a POWERCUBE CME series module(s) at no load.