

10A / 20A / 30A Motor Drive Power Conditioning Module

Features:

- 400Hz, 3 Phase 115V AC per MIL-STD-704
- EMI Filter meets MIL-STD-461
- .9 Power Factor at Full Load
- 500V, 100 Joules Active Bus Voltage Clamping
- Isolated 28V, 28W Auxilliary Converter
- Inrush Current Capability
- Film Storage Capacitors
- Negative Impedance Clamping
- Inductive Input
- Isolated Line Current Sensing



Compliant Documents and Standards:

- ✓ MIL-STD-461
- ✓ MIL-STD-704

Typical Applications:

- ✓ Electronic Cooling Units
- ✓ Hydraulic Pumps
- ✓ Vehicle and Aircraft Cooling Systems
- ✓ Aircraft Galley and Water Systems

Description:

Sensitron, a price performance leader in power management, has released a fully integrated modular 3 phase AC rectifier series (*PCM Series*) which includes power factor correction, DC bus clamp, EMI filtering, 28V, 1A DC-DC converter, a passive RC damping network, line current sensing and inrush limiting.

Parameter	Description	MIN	TYP	MAX	Unit
I_{input}	Steady state input current (per phase)			Up to 30	Amp RMS
P_{output}	Output Power	3100		9500	Watt
PF	Power Factor at full Load	91%			Power Factor
V_{bus}	DC bus voltage (108VAC-118VAC) Full load		255		VDC
V_{output}	Isolated converter output voltage	27.4		28.6	V
EMI Filter Att_{com}	Output to input common mode attenuation (10KHz)			Up to 112	db

About Sensitron:

Sensitron is a leading manufacturer of high reliability power electronic solutions including motor controllers, smart power management and conversion, diodes and voltage protection components and embedded boards. Sensitron has over 40 years heritage of serving the complete spectrum of reliability markets including space, aerospace, and defense.
<http://www.sensitron.com>