

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

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along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

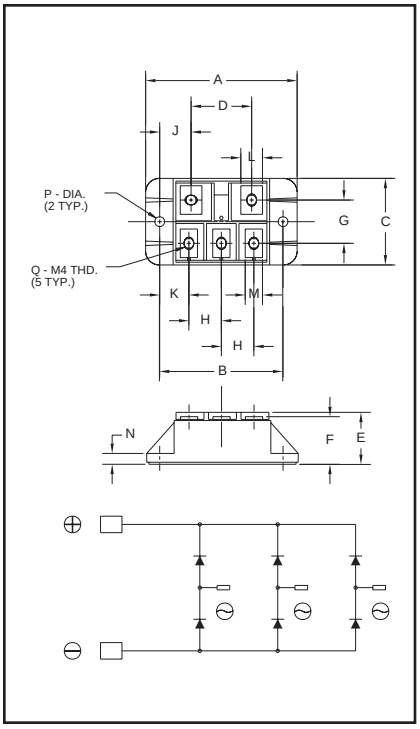
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Find the *Powerex MEB00806* at our website: ***Click HERE***

Powerex, Inc., 200 Hillis Street, Youngwood, Pennsylvania 15697-1800 (724) 925-7272

Three-Phase Diode Bridge Module

60 Amperes/800 Volts



Outline Drawing

Dimension	Inches	Millimeters
A	2.76	70
B	2.244±0.010	57±0.25
C	1.57	40
D	1.10	28
E	0.94	24
F	0.87	22
G	0.79	20
H	0.59	15
J	0.57	14.5
K	0.53	13.5
L	0.39	10
M	0.31	8
N	0.20	5
P	0.18 Dia.	Dia. 4.5
Q	Metric M4	M4



MEB00806
Three-Phase Diode Bridge Module
60 Amperes/800 Volts

Description:
Powerex Three-Phase Diode Bridge Modules are designed for use in applications requiring rectification of three-phase AC lines into DC voltage. Each module consists of six diodes and the interconnect required to form a complete three-phase bridge circuit. Each diode is electrically insulated from the mounting baseplate for easy mounting onto a common heatsink with other components.

Features:

- ☐ Isolated Mounting
- ☐ Metal Baseplate
- ☐ Low Thermal Impedance

Applications:

- ☐ AC and DC Motor Control
- ☐ Inverters
- ☐ UPS

Ordering Information:
Select the complete eight digit module part number you desire from the table below.
Example: MEB00806 is an 800 Volt, 60 Ampere Three-Phase Diode Bridge Module.

Type	Voltage Volts (x100)	Current Rating Amperes (x10)
MEB0	08	06

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Absolute Maximum Ratings

Characteristics	Symbol	MEB00806	Units
Peak Reverse Blocking Voltage	V_{RRM}	800	Volts
Transient Peak Reverse Blocking Voltage (Non-Repetitive), t < 5ms	V_{RSM}	960	Volts
DC Current, T_j = 1050°C	I_{FM}	60	Amperes
Peak Half-Cycle Surge (Non-Repetitive) On-State Current (60Hz)	I_{FSM}	1000	Amperes
Junction Temperature	T_j	-40 to 150	°C
Storage Temperature	T_{STG}	-40 to 125	°C
Maximum Mounting Torque M4 Mounting Screw	—	12	in.-lb.
Maximum Mounting Torque M4 Terminal Screw	—	12	in.-lb.
Module Weight (Typical)	—	100	Grams
V Isolation	V_{RMS}	2000	Volts

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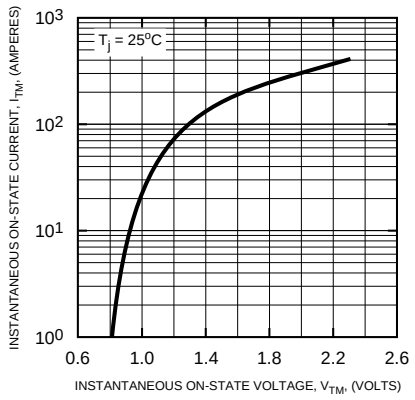
Electrical and Thermal Characteristics, T_j = 25°C unless otherwise specified

Characteristics	Symbol	Test Conditions	MEB00806	Units
Blocking State Maximums				
Reverse Leakage Current, Peak	I_{RRM}	T_j = 150°C, V_D = 800V	10	mA
Conducting State Maximums				
Peak On-State Voltage	V_{FM}	I_{FM} = 100A	1.3	Volts
Thermal Maximums				
Thermal Resistance, Junction-to-Case	$R_{\theta(J-C)}$	Per Module	0.31	°C/Watt
Thermal Resistance, Case-to-Sink (Lubricated)	$R_{\theta(C-S)}$	Per Module	0.09	°C/Watt

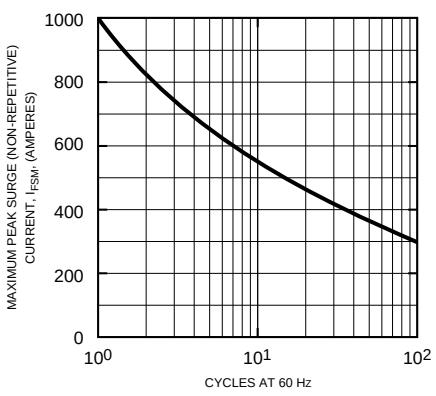
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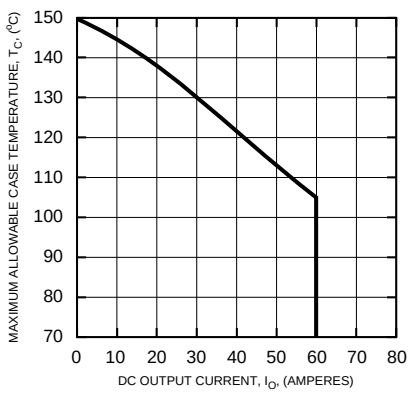
MAXIMUM ON-STATE CHARACTERISTICS



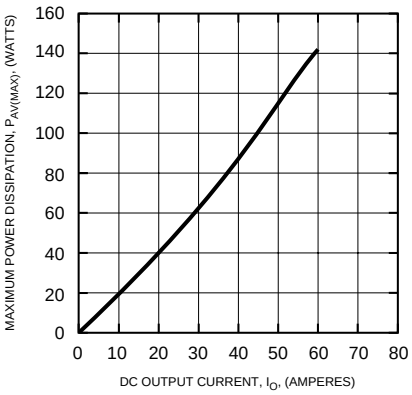
MAXIMUM ALLOWABLE PEAK SURGE (NON-REPETITIVE) CURRENT



MAXIMUM ALLOWABLE CASE TEMPERATURE



MAXIMUM ON-STATE POWER DISSIPATION



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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