

CentralTM Semiconductor Corp.

145 Adams Ave., Hauppauge, NY 11788 USA
Phone (516) 435-1110 FAX (516) 435-1824

Manufacturers of World Class Discrete Semiconductors

CBR10-J010 SERIES

SILICON BRIDGE RECTIFIER
10 AMPS, 100 THRU 1000 VOLTS

CASE CM.

DESCRIPTION

The CENTRAL SEMICONDUCTOR CBR10-J010 Series types are Silicon Single Phase Full Wave Bridge Rectifiers designed for general purpose applications.

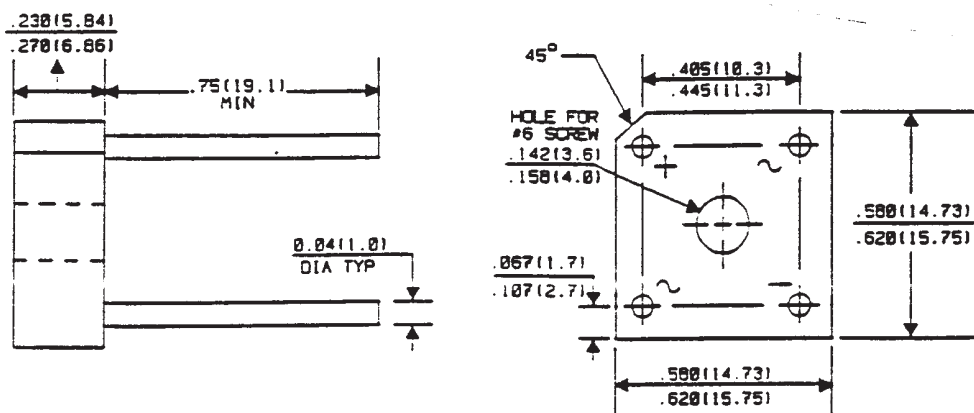
MAXIMUM RATINGS (T_A = 50°C)

	SYMBOL	CBR10 -J010	CBR10 -J020	CBR10 -J040	CBR10 -J060	CBR10 -J080	CBR10 -J100	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	70	140	280	420	560	700	V
Average Forward Current *								
T _C = 80°C	I _O			10				A
T _A = 30°C	I _O			5.0				A
Peak Forward Surge Current	I _{FSM}			150				A
Operating and Storage								
Junction Temperature	T _J , T _{stg}			-65 to +150				°C
Thermal Resistance	θ _{JC}			3.0				°C/W

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V _F	I _F = 5.0A		1.2	V
I _R	V _R = Rated V _{RRM}		10	μA

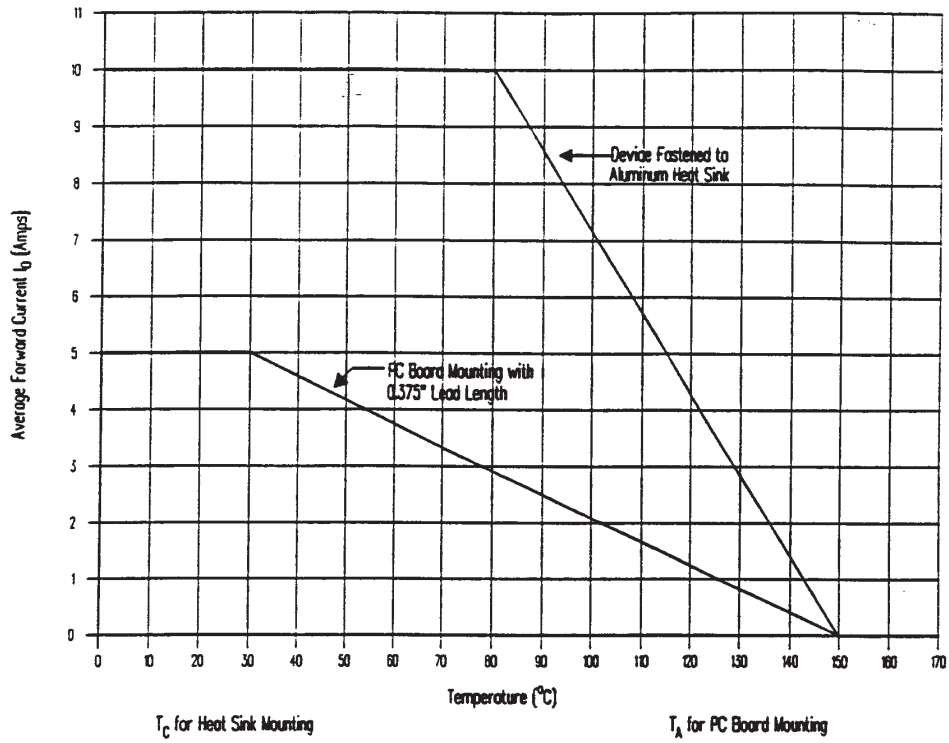
* SEE REVERSE FOR CURVE.



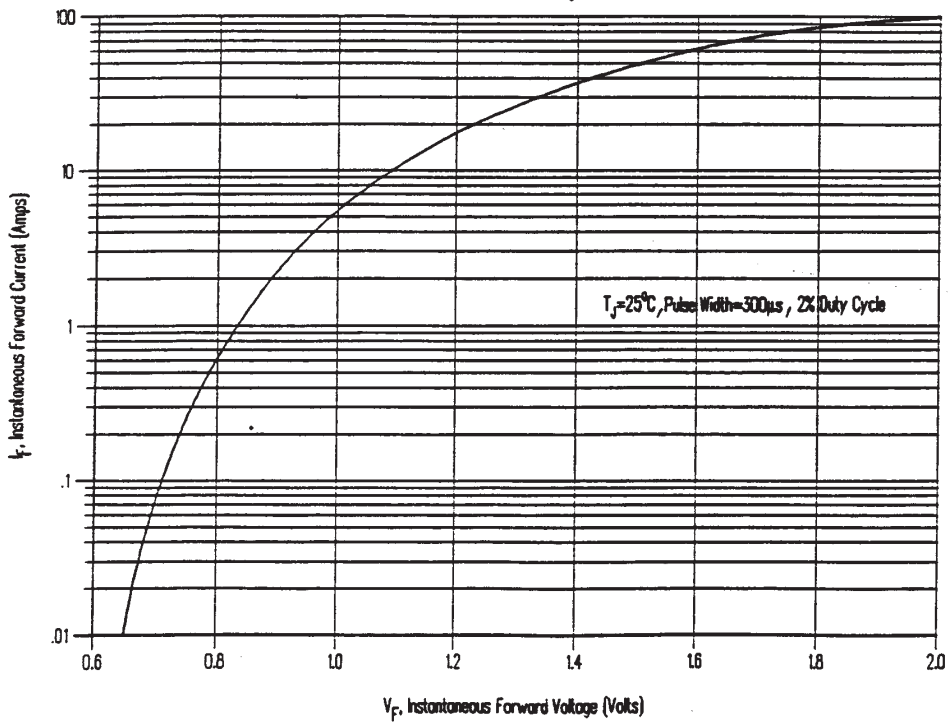
DIMENSIONS IN INCHES (mm).

Derating Curve for Average Forward Current

(60 Hz Resistive or Inductive Load)



Typical Instantaneous Forward Characteristics Per Bridge Element



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com