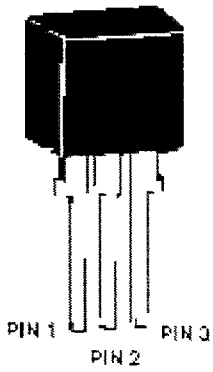
TECCOR
ELECTRONICS, INC.



Modified TO-220

SIDACtor®

Solid State Overvoltage Protection

P407
P3403AB
Applications

Features

- Bidirectional transient voltage protection
- Clamping speed of nanoseconds
- Surge current capability 500A, 2x10µs waveform
- Peerless performance
- Glass passivated junctions for reliability
- Utilizes patented ION implant technology for superior surge performance

ISO 9000
TECCOR ELECTRONICS, INC.

Electrical Specifications

Parameters		Test Conditions	P407 P3403AB		Units
			Min	Max	
V_{BO}	Breakover Voltage	1kV/s	285	375	V
I_{DRM}	Peak Off-State Current	Measured at V_{DRM}		5	µA
I_H	Holding Current	@ 25° C	150		mA
V_T	On-State Voltage	Measured at I_T		5	V
I_{PP}	Peak Pulse Current	2x10µs	500		A
		8x20µs	250		A
		10x160µs	200		A
		10x1000µs	100		A
I_{TSM}	Peak Surge Current	1 Cycle, 60 Hz	60		A
		1 Cycle, 50 Hz	50		A
I_T	Continuous On-State Current	DC or RMS	1		A
C_O	Off-State Capacitance	1 MHz, 50VDC BIAS		100 TYP	pF

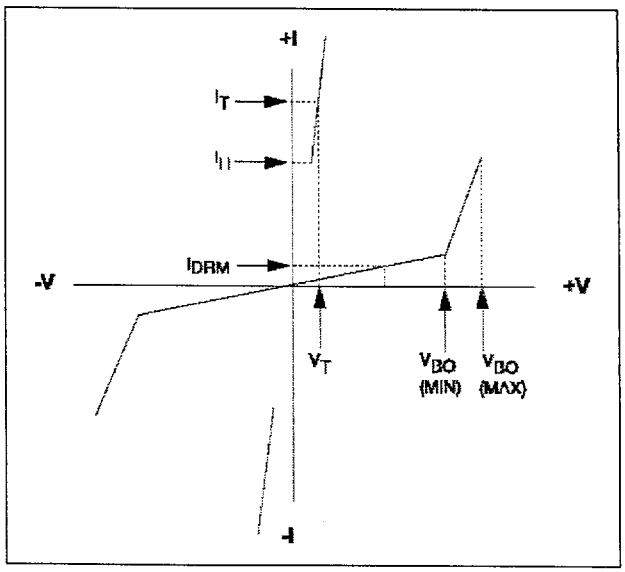
Notes: All parts are 100% surged at 100A, 10x1000µs I_{PP} and monitored at 500A, 2x10µs I_{PP}

(1) Device voltage will not exceed V_{BO} up to 1000V/µsec.

(2) Device must not breakdown below V_{DRM}

(3) On application of a simultaneous surge, the device ratings on pin 2 is 2x the minimum I_{PP} rating of the device.

V-I Characteristics



TECCOR ELECTRONICS, INC.
1801 Hurd Drive
Irving, Texas 75038-4385
United States of America

Phone: (972) 580-7777
Fax: (972) 550-1309
E-mail: teisales@airmail.net
Website: http://www.teccor.com

DE

Please call the factory for further information.

Data Sheet: **P407-0297**
February, 1997