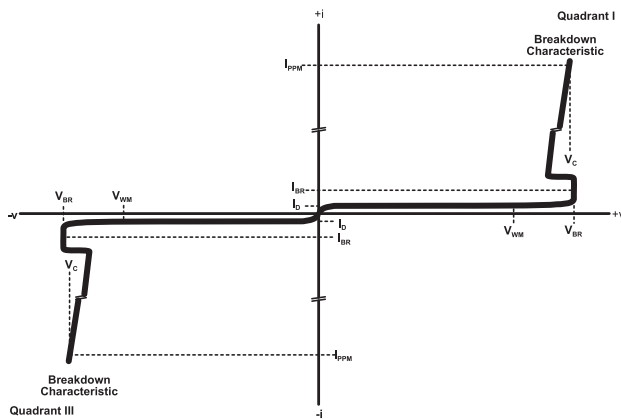


PTVS3-xxxC-TH Series High Current TVS Diodes

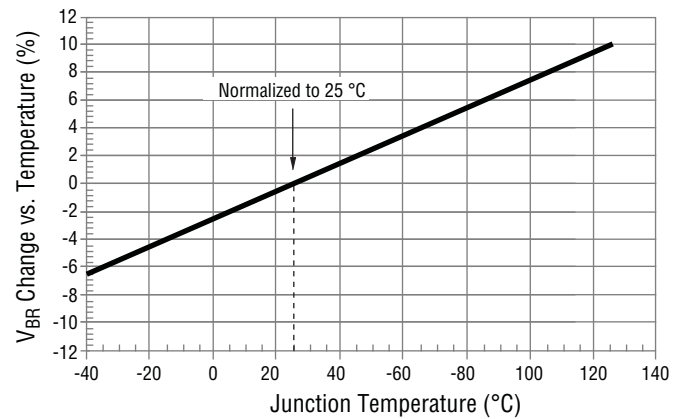
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Performance Graphs

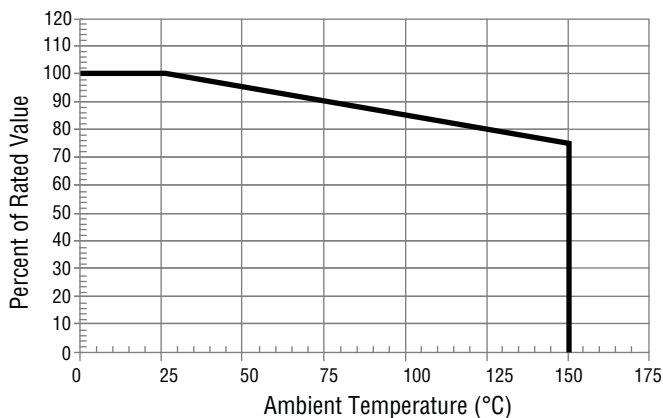
V-I Characteristic



Percentage V_{BR} Change vs. Junction Temperature



Typical Surge Current Derating



This graph shows the typical device surge current derating versus ambient temperature when subjected to the 8/20 μ s current waveform per the IEC 61000-4-5 specification. This device is not intended for continuous operation at temperatures above 125 °C.

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.

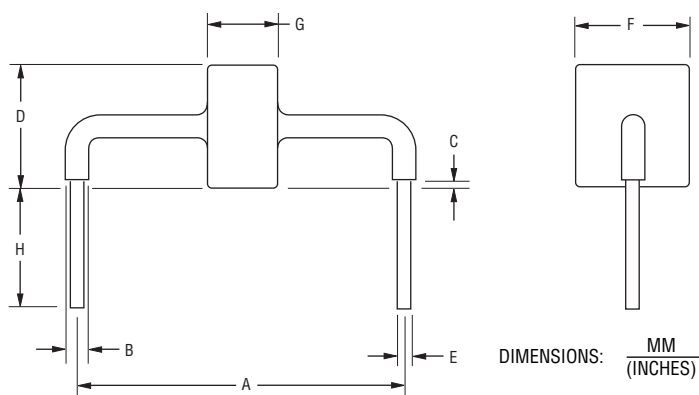
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PTVS3-xxxC-TH Series High Current TVS Diodes

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Product Dimensions

Epoxy encapsulation materials conform to UL 94V-0. Silver plated lead finish conforms to the solderability requirements of JESD22-B102, Pb free solder. Package dimensions are shown below:



Dim.	PTVS3-058C-TH	PTVS3-076C-TH
A	24.15 ± 0.72 (0.951 \pm 0.028)	
B	2.40 ± 0.50 (0.094 \pm 0.020)	
C	1.75 ± 1.25 (0.069 \pm 0.049)	
D	10.80 (0.425) Max.	
E	1.25 ± 0.05 (0.049 \pm 0.002)	
F	9.30 (0.366) Max.	
G	5.00 (0.197) Max.	6.00 (0.236) Max.
H	6.00 ± 1.00 (0.236 \pm 0.039)	

Typical Part Marking

PTVS3-058C-TH3058
PTVS3-076C-TH3076

How to Order

PTVS 3 - 076 C - T H

Series _____
PTVS = Power TVS High Current Diode

Peak Current Rating _____
3 = 3 kA

Repetitive Standoff Voltage _____
058 = 58 V
076 = 76 V

Suffix _____
C = Bidirectional Device

Package _____
T = Through-Hole

Temperature _____
H = High Temperature Series

REV. 07/15

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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