

Bourns® Bidirectional Power TVS Diode – PTVS1-xxxC-H Series

High Current PTVS Diodes in an Industry-First Surface Mount DFN Package

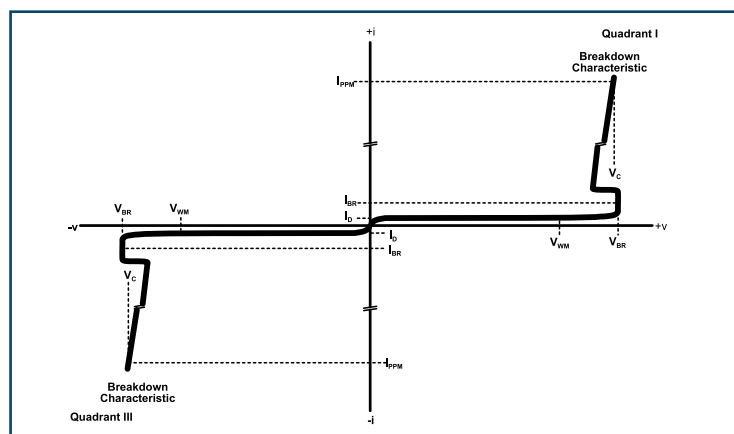
ELECTRICAL CHARACTERISTICS (@ T_A = 25 °C Unless Otherwise Noted)

Bidirectional Device	Breakdown Voltage V _{BR} (V)			Standby Current V _D = V _{WM} I _D (μA)	Typical Clamping Voltage ⁽¹⁾⁽²⁾ @ I _{PPM} V _C (V)	V _{BR} Temperature Coefficient % / °C	Typical Capacitance (f=10 kHz V _d = 1 V _{rms}) C (nF)
	Min.	Max.	@ I _{BR} (mA)				
PTVS1-022C-H	24	27	10	10	28	0.1	2.0
PTVS1-026C-H	28	32	10	10	30	0.1	1.5
PTVS1-029C-H	32	35	10	10	34	0.1	1.5
PTVS1-043C-H	48	53	10	10	56	0.1	1.0
PTVS1-058C-H	64	70	10	10	67	0.1	0.8
PTVS1-066C-H	72	80	10	10	86	0.1	0.7
PTVS1-076C-H	85	95	10	10	91	0.1	0.6
PTVS1-086C-H	96	105	10	10	99	0.1	0.5

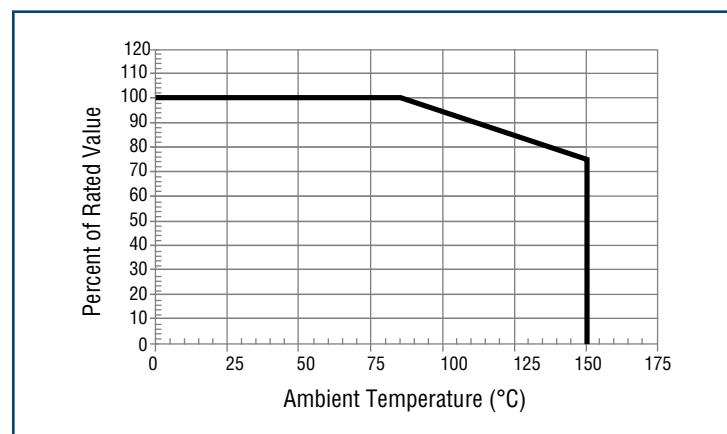
Notes: (1) 8/20 μs per IEC 61000-4-5.

(2) V_C measured at the time which is coincident with the peak surge current.

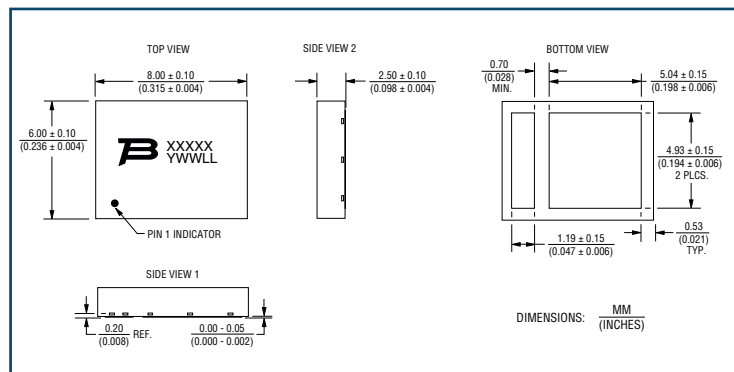
TYPICAL VI CURVE



TYPICAL SURGE DERATING CURVE



PRODUCT DIMENSIONS



HOW TO ORDER

PTVS 1 - xxx C - H

Series _____
 PTVS = Power TVS High Current Diode

Peak Current Rating _____
 1 = 1 kA

Repetitive Standoff Voltage _____
 022 - 086 = 22 - 86 V_{WM} (Volts)

Suffix _____
 C = Bidirectional Device

Package _____
 H = DFN Package

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