

VCAC060309B102NDP

(0603, 9Vdc, 0.2J, 120A, 1000pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	0603
Operating Temperature	-55 to +125°C
Grade	Automotive & General
Qualification	AEC-Q200
Termination	Sn
RoHS	Yes
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	1000 pcs



AEC-Q200
Qualified



RoHS
Compliant

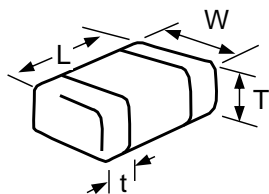


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ELECTRICAL CHARACTERISTICS

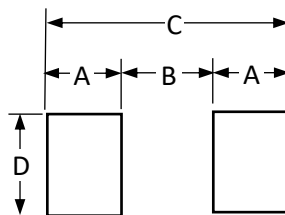
DC Working Voltage	9 Vdc
AC Working Voltage	6.4 Vac
Breakdown Voltage [1mA DC]	12.7±15% V
Clamping Voltage [8x20µs]	22V @ 1A
Max Leakage Current [Vdc, 25°C]	25 µA
Transient Energy [10x1000µs]	0.2 J
Load Dump Energy [x10]	-
Peak Power [10x1000µs]	150 W
Peak Current Rating [8x20µs]	120 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	1000 pF
Capacitance Tolerance	±30%
Jump Start Voltage [5min]	-
Power Dissipation	-

DIMENSIONS



	mm	inches
L	1.60±0.15	0.063±0.006
W	0.80±0.15	0.031±0.006
T	0.9 max	0.035 max
t	0.35±0.15	0.014±0.006

SOLDERING PAD

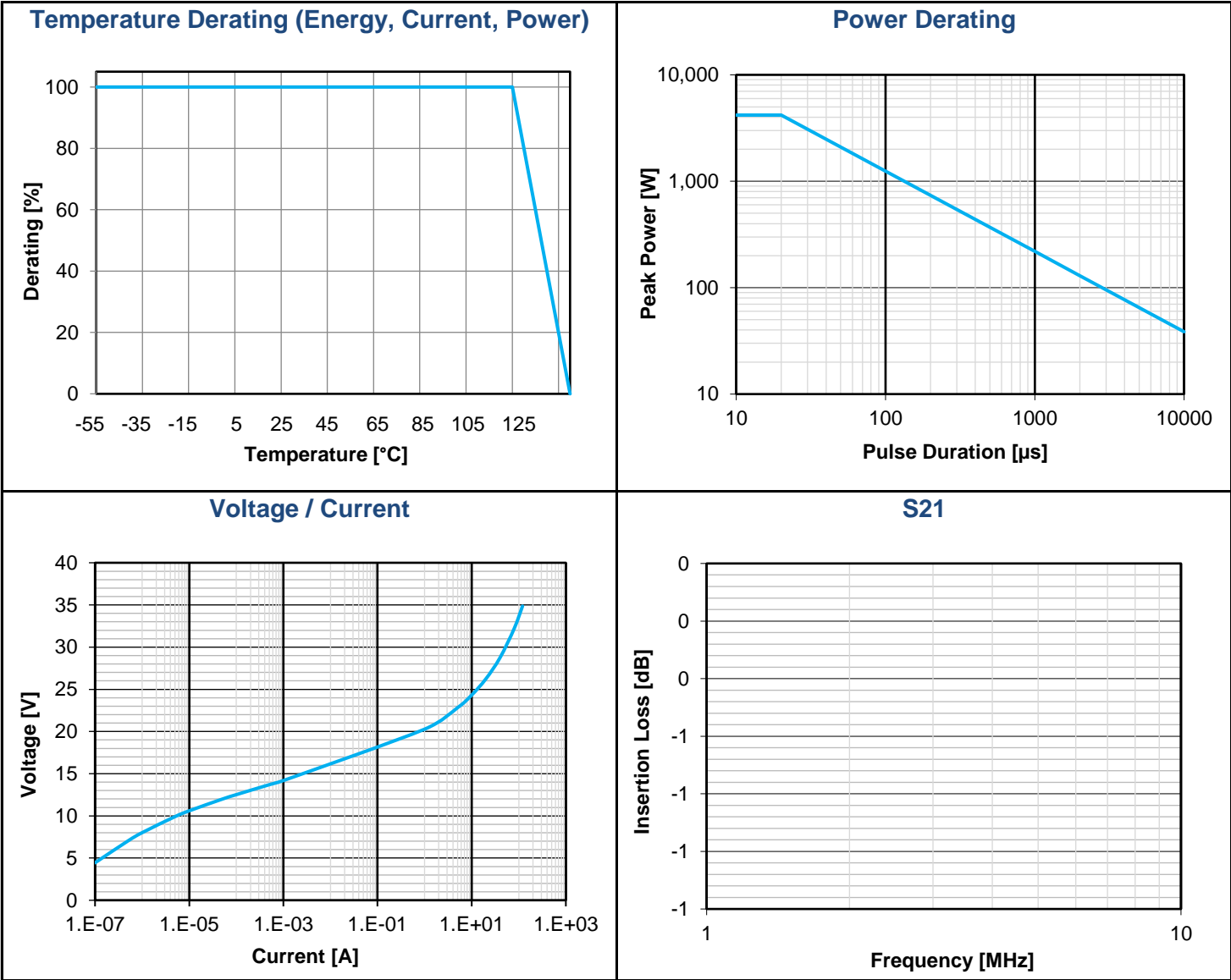


	mm	inches
A	0.89	0.035
B	0.76	0.03
C	2.54	0.1
D	0.76	0.03

HOW TO ORDER

VCAC	0603	09	B	102	N	D	P
Varistor Chip Automotive	Case Size	Working Voltage	Energy Rating	Capacitance	Capacitance Tolerance	Packaging	Termination
		09 = 9 Vdc	B = 0.2J	102 = 1000pF	N = ±30%	D = 7" reel (1,000pcs) R = 7" reel (4,000pcs) T = 13" reel (10,000pcs)	P = Sn

TYPICAL CHARACTERISTICS



NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are beleived to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications.