

VCAC060309B102NRP

(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	4000 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	R	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

