

VC080503A100RP

(0805, 3.3Vdc, 0.1J, 40A, 1400pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

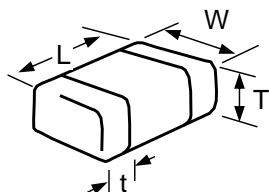
Case Size [EIA]	0805
Operating Temperature	-55 to +125°C
Grade	General
Termination	Sn
RoHS	Yes
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	4000 pcs



ELECTRICAL CHARACTERISTICS

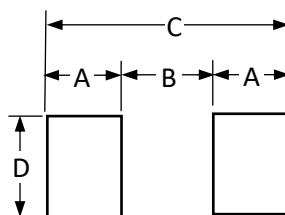
DC Working Voltage	3.3 Vdc
AC Working Voltage	2.3 Vac
Breakdown Voltage [1mA DC]	5.0±20% V
Clamping Voltage [8x20µs]	12V @ 1A
Max Leakage Current [Vdc, 25°C]	100 µA
Transient Energy [10x1000µs]	0.1 J
Peak Power [10x1000µs]	75 W
Peak Current Rating [8x20µs]	40 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	1400 pF
Capacitance Tolerance	+100/-50%

DIMENSIONS



	mm	inches
L	2.01±0.20	0.079±0.008
W	1.25±0.20	0.049±0.008
T	1.02 max	0.040 max
t	0.71 max	0.028 max

SOLDERING PAD



	mm	inches
A	1.02	0.04
B	1.02	0.04
C	3.05	0.12
D	1.27	0.05

HOW TO ORDER

VC	0805	03	A	100	R	P
Varistor Chip	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		03 = 3.3Vdc	A = 0.1J	100 = 12V	D = 7" reel (1,000pcs) R = 7" reel (4,000pcs) T = 13" reel (10,000pcs)	P = Sn

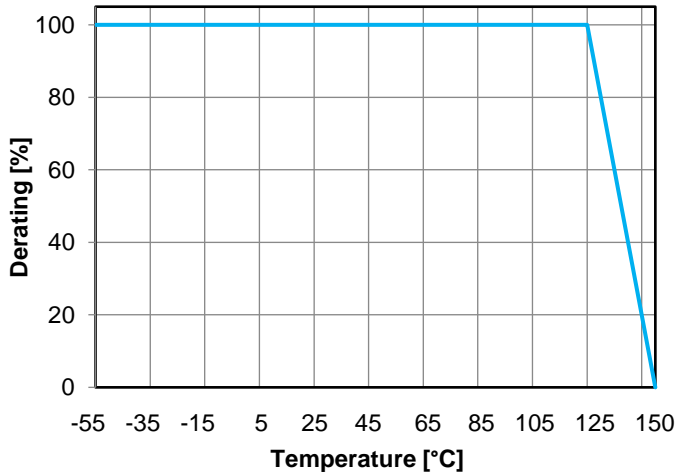
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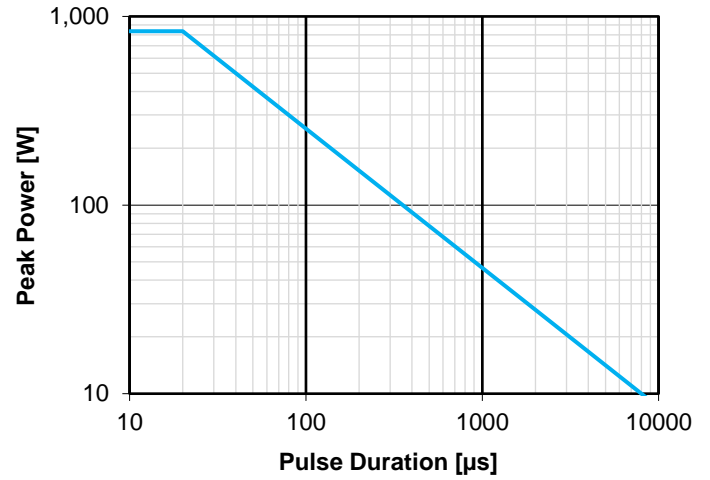
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TYPICAL CHARACTERISTICS

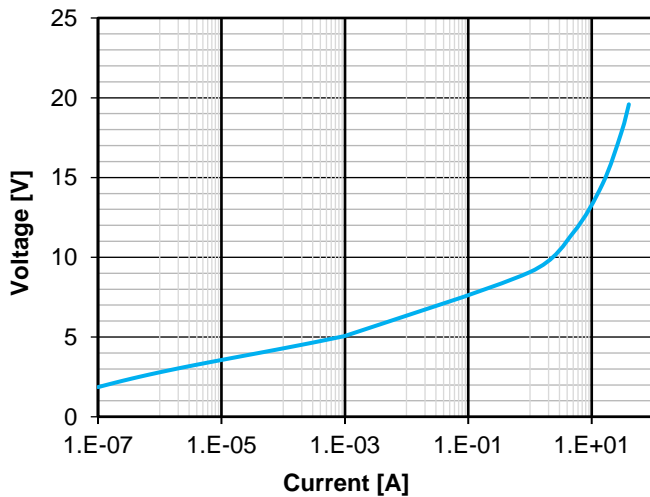
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

