

VC020103V151WP

(0201, 3.5Vdc, 0.02J, 10A, 150pF, Sn Term)

Multilayer Chip Varistor Datasheet



BASIC SPECIFICATION

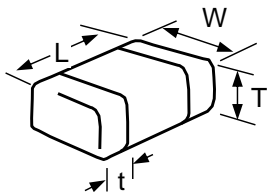
Case Size [EIA]	0201
Operating Temperature	-55 to +125°C
Grade	General
Termination	Sn
RoHS	Yes
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	10000 pcs



ELECTRICAL CHARACTERISTICS

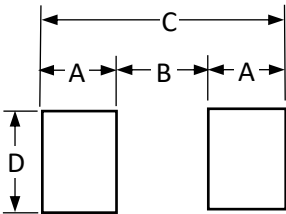
DC Working Voltage	3.5 Vdc
AC Working Voltage	2 Vac
Breakdown Votage [1mA DC]	4.76-8.84 V
Clamping Voltage [8x20μs]	14V @ 1A
Max Leakage Current [Vdc, 25°C]	50 μA
Transient Energy [10x1000μs]	0.02 J
Peak Power [10x1000μs]	15 W
Peak Current Rating [8x20μs]	10 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	150 pF
Capacitance Tolerance	±40%

DIMENSIONS



	mm	inches
L	0.60±0.03	0.024±.001
W	0.30±0.03	0.011±0.001
T	0.33 max	0.013 max
t	0.15±0.05	0.006±0.002

SOLDERING PAD



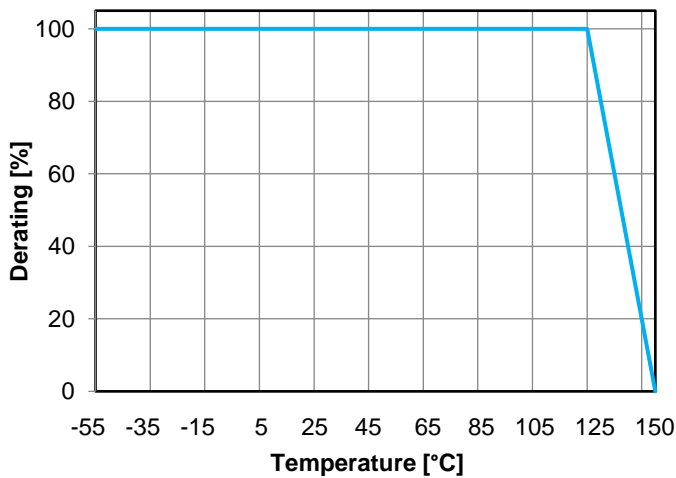
	mm	inches
A	0.25	0.01
B	0.3	0.012
C	0.3	0.012
D	0.8	0.032

HOW TO ORDER

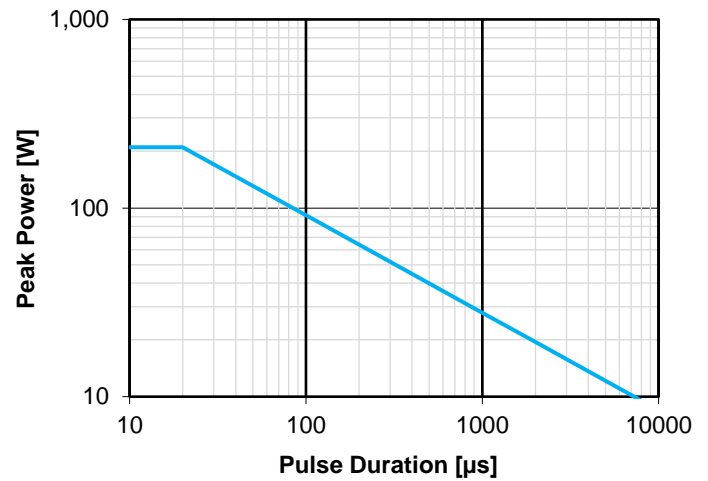
VC	0201	03	V	151	W	P
Varistor Chip	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		03 = 3.5Vdc	V = 0.02J	151 = 14V	W = 7" reel (10,000pcs)	P = Sn

TYPICAL CHARACTERISTICS

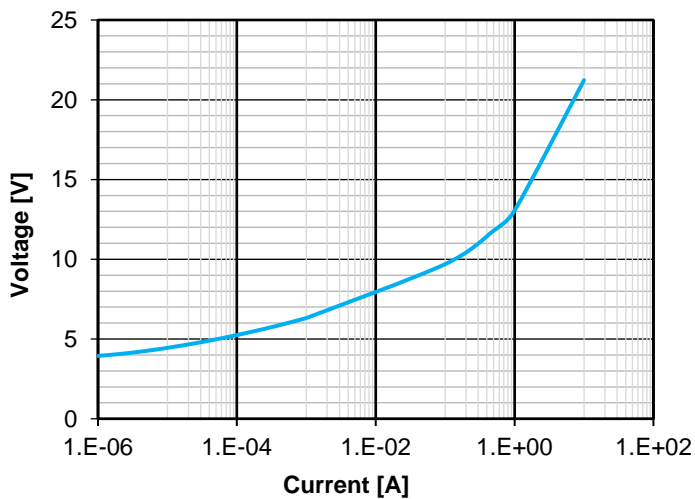
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

