VCLD060318A400DB

(0603, 18Vdc, 0.1J, 30A, 150pF, SnPb)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	0603
Operating Temperature	-55 to +125°C
Grade	General
Termination	SnPb
RoHS	No
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	1000 pcs

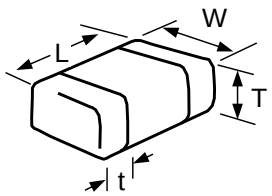
Non RoHS

Click for Online Data

ELECTRICAL CHARACTERISTICS

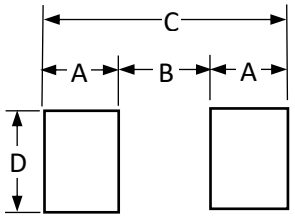
DC Working Voltage	18 Vdc
AC Working Voltage	13 Vac
Breakdown Votage [1mA DC]	25.5±10 V
Clamping Voltage [8x20µs]	42V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.1 J
Peak Power [10x1000µs]	75 W
Peak Current Rating [8x20µs]	30 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	150 pF
Capacitance Tolerance	+100/-50%

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

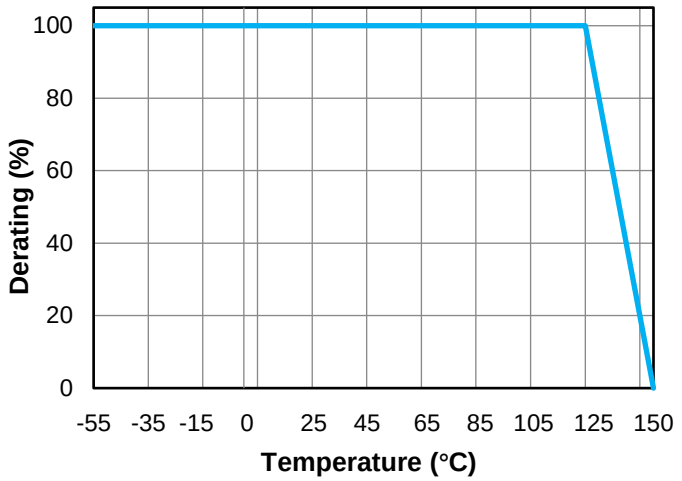
HOW TO ORDER

VCLD	0603	18	A	400	D	B
Varistor Chip SnPb	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		18 = 18Vdc	A = 0.1J	400 = 42V	D = 7“ reel (1,000pcs) R = 7“ reel (4,000pcs) T = 13“ reel (10,000pcs)	B = SnPb (5% Pb min)

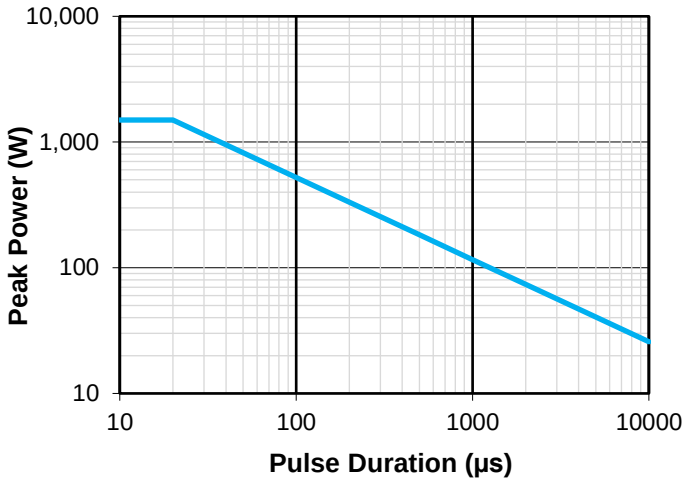
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TYPICAL CHARACTERISTICS

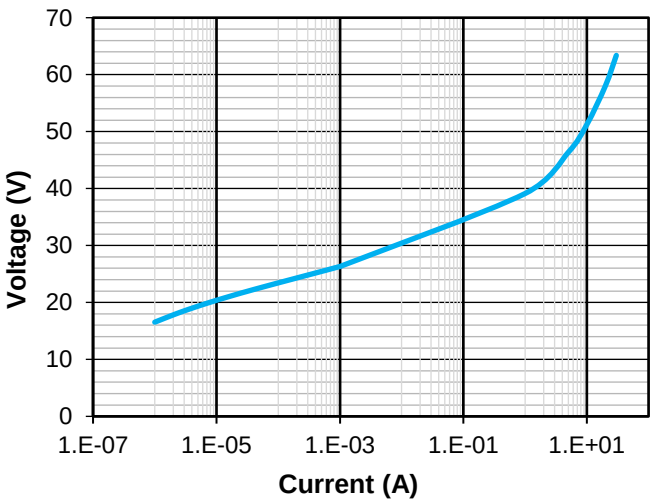
Temperature Derating (Energy, Current, Power)



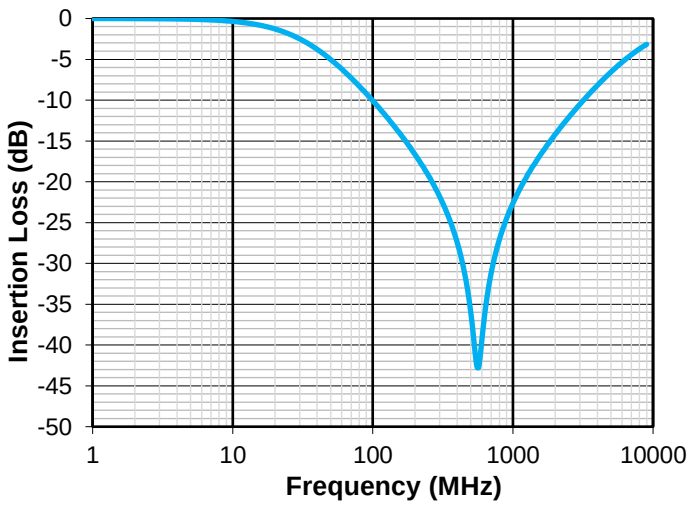
Power Derating



Voltage / Current



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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.