

# VCLD120642L800DB

(1206, 42Vdc, 0.8J, 180A, 600pF, SnPb)

Multilayer Chip Varistor Datasheet

## BASIC SPECIFICATION

Case Size [EIA]	1206
Operating Temperature	-55 to +125°C
Grade	General
Termination	SnPb
RoHS	No
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	2000 pcs



Non  
RoHS



Click for  
Online Data

## ELECTRICAL CHARACTERISTICS

DC Working Voltage	42 Vdc
AC Working Voltage	32 Vac
Breakdown Voltage [1mA DC]	51.0±10 V
Clamping Voltage [8x20µs]	80V @ 1A
Max Leakage Current [Vdc, 25°C]	15 µA
Transient Energy [10x1000µs]	0.8 J
Peak Power [10x1000µs]	600 W
Peak Current Rating [8x20µs]	180 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	600 pF
Capacitance Tolerance	+100/-50%

## DIMENSIONS



	mm	inches
L	3.20±0.20	0.126±0.008
W	1.60±0.20	0.063±0.008
T	1.8 max	0.071 max
t	0.94 max	0.037 max

## SOLDERING PAD



	mm	inches
A	1.02	0.04
B	2.03	0.08
C	4.06	0.16
D	1.65	0.065

## HOW TO ORDER

<b>VCLD</b>	<b>1206</b>	<b>42</b>	<b>L</b>	<b>800</b>	<b>D</b>	<b>B</b>
Varistor Chip SnPb	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		42 = 42Vdc	L = 0.8J	800 = 80V	D = 7" reel (1,000pcs) R = 7" reel (2,000pcs) T = 13" reel (10,000pcs)	B = SnPb (5% Pb min)

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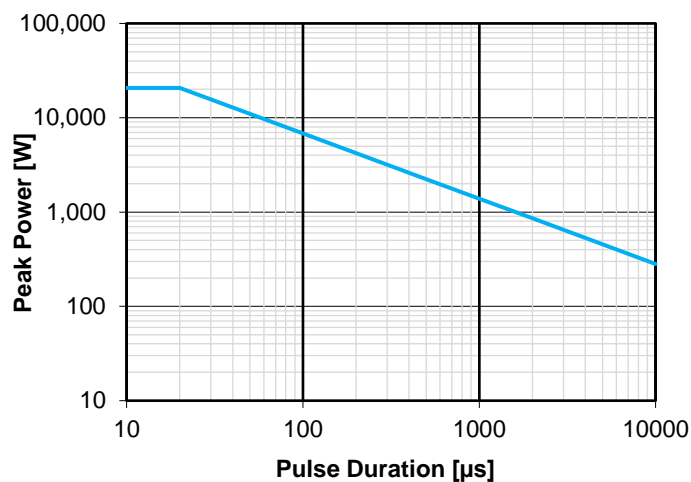
Multilayer Chip Varistor Datasheet

## TYPICAL CHARACTERISTICS

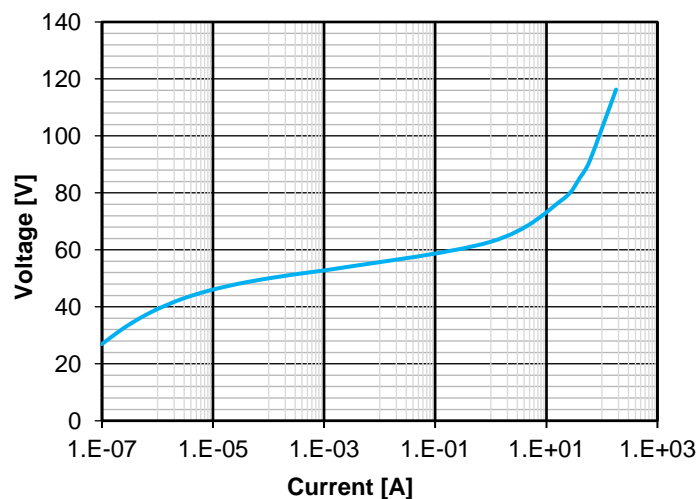
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

