

VTA3120642R800RP

(1206, 42Vdc, 1.7J, 250A, 750pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	1206
Operating Temperature	-55 to +150°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

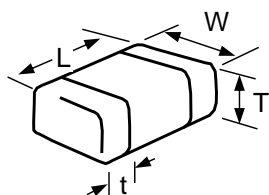


Click for
Online Data

ELECTRICAL CHARACTERISTICS

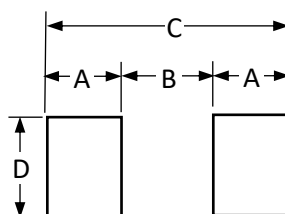
DC Working Voltage	42 Vdc
AC Working Voltage	32 Vac
Breakdown Voltage [1mA DC]	51±10% V
Clamping Voltage [8x20µs]	80V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	1.7 J
Load Dump Energy [x10]	2 J
Peak Power [10x1000µs]	0 W
Peak Current Rating [8x20µs]	250 A
Typical Capacitance	750 pF
Capacitance Tolerance [1kHz, 0.5Vrms, 25°C]	+100/-50%
Jump Start Voltage [5min]	48 V
Power Dissipation	0.003 W

DIMENSIONS



	mm	inches
L	3.20±0.20	0.126±0.008
W	1.60±0.20	0.063±0.008
T	1.02 max	0.040 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

VTA3

Varistor
150°C

1206

Case Size

42

Working
Voltage

42 = 42 Vdc

R

Energy
Rating

R = 1.7J

800

Clamping
Voltage

800 = 80V

R

Packaging

D = 7" reel (1,000pcs)
R = 7" reel (4,000pcs)
T = 13" reel (10,000pcs)

P

Termination

P = Sn

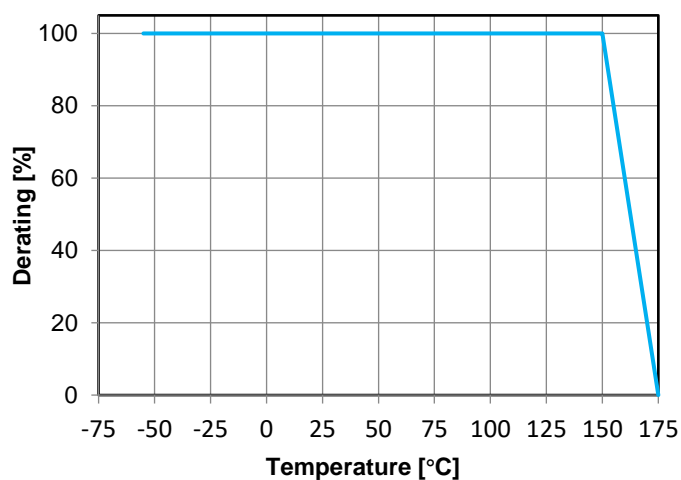
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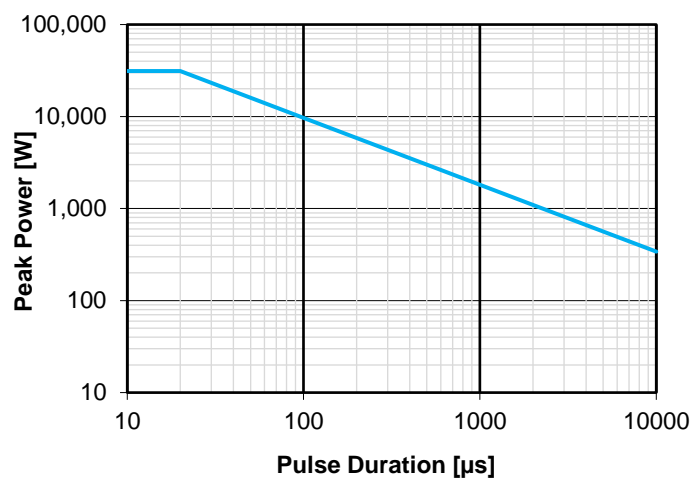
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TYPICAL CHARACTERISTICS

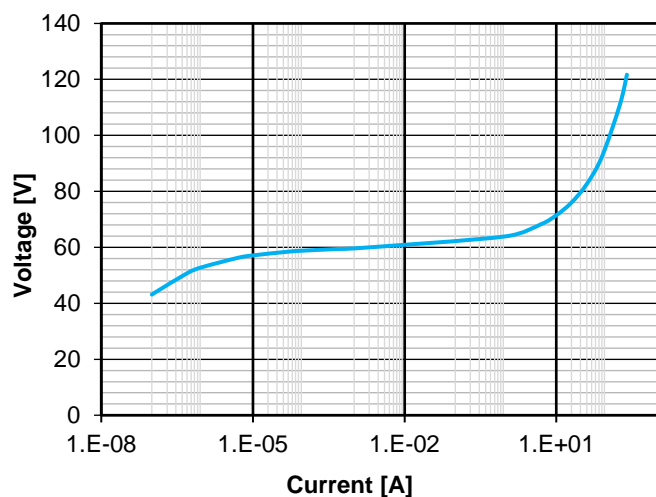
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

