

VTA3121014J300DP

(1210, 14Vdc, 1.6J, 500A, 5000pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	1210
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	1000 pcs



AEC-Q200
Qualified



RoHS
Compliant

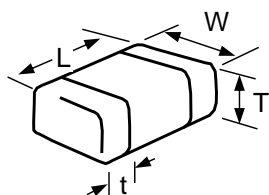


Click for
Online Data

ELECTRICAL CHARACTERISTICS

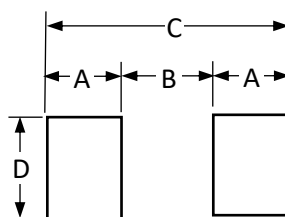
DC Working Voltage	14 Vdc
AC Working Voltage	10 Vac
Breakdown Voltage [1mA DC]	18.5±12% V
Clamping Voltage [8x20µs]	32V @ 2.5A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	1.6 J
Load Dump Energy [x10]	3 J
Peak Power [10x1000µs]	1200 W
Peak Current Rating [8x20µs]	500 A
Typical Capacitance	5000 pF
Capacitance Tolerance [1kHz, 0.5Vrms, 25°C]	+100/-50%
Jump Start Voltage [5min]	20 V
Power Dissipation	0.03 W

DIMENSIONS



	mm	inches
L	3.20±0.20	0.126±0.008
W	2.49±0.20	0.098±0.008
T	1.7 max	0.067 max
t	1.14 max	0.045 max

SOLDERING PAD



	mm	inches
A	1.02	0.04
B	2.03	0.08
C	4.06	0.16
D	2.54	0.1

HOW TO ORDER

VTA3

Varistor
150°C

1210

Case Size

14

Working
Voltage

14 = 14 Vdc

J

Energy
Rating

J = 1.6J

300

Clamping
Voltage

300 = 32V

D

Packaging

D = 7" reel (1,000pcs)

R = 7" reel (2,000pcs)

T = 13" reel (10,000pcs)

P

Termination

P = Sn

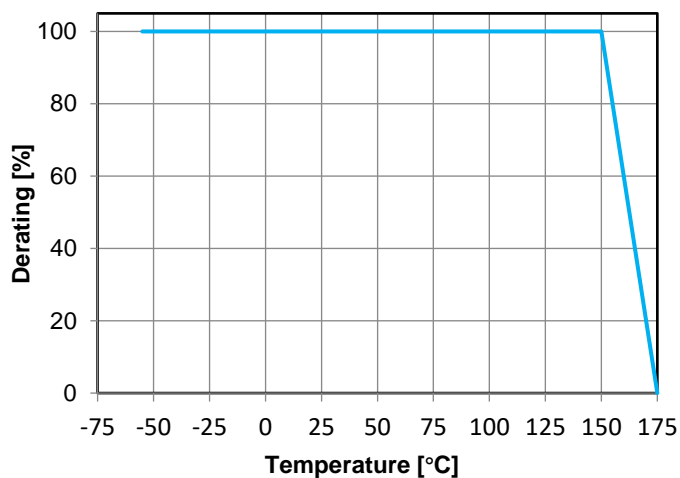
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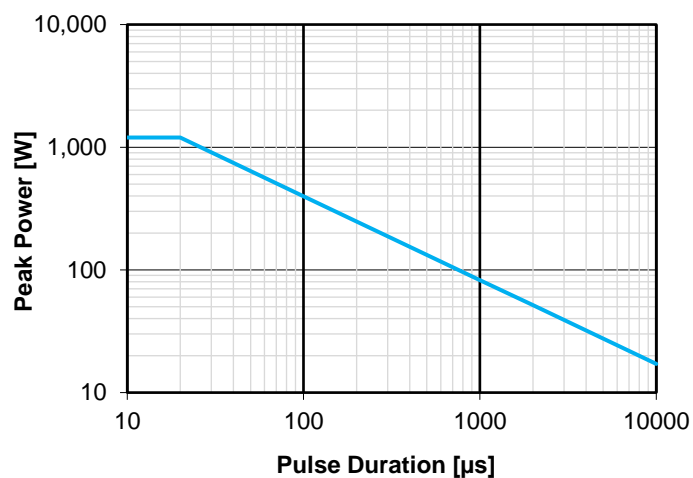
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TYPICAL CHARACTERISTICS

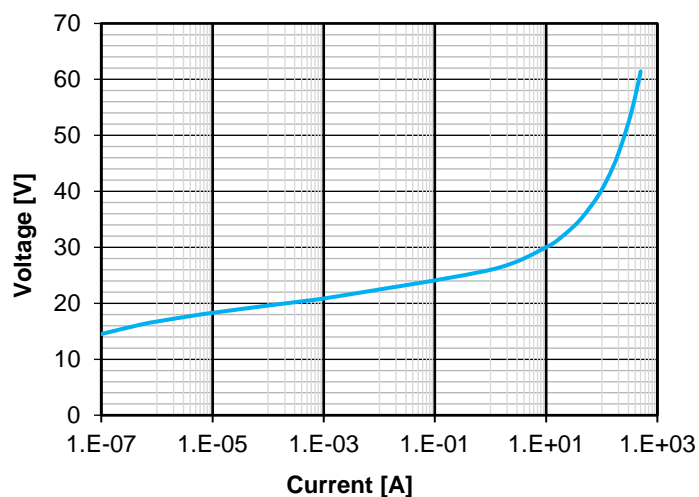
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

