

# VTA3080514C300DP

(0805, 14Vdc, 0.3J, 120A, 900pF, Sn Term)

Multilayer Chip Varistor Datasheet

## BASIC SPECIFICATION

Case Size [EIA]	0805
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

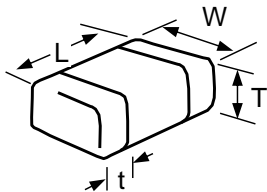


Click for  
Online Data

## ELECTRICAL CHARACTERISTICS

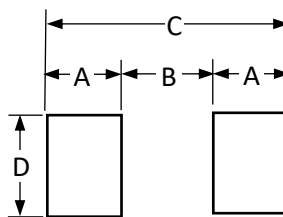
DC Working Voltage	14 Vdc
AC Working Voltage	10 Vac
Breakdown Voltage [1mA DC]	18.5±12% V
Clamping Voltage [8x20µs]	32V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.3 J
Load Dump Energy [x10]	0.7 J
Peak Power [10x1000µs]	225 W
Peak Current Rating [8x20µs]	120 A
Typical Capacitance	900 pF
Capacitance Tolerance [1kHz, 0.5Vrms, 25°C]	+100/-50%
Jump Start Voltage [5min]	20 V
Power Dissipation	0.006 W

## DIMENSIONS



	mm	inches
L	2.01±0.20	0.079±0.008
W	1.25±0.20	0.049±0.008
T	1.02 max	0.040 max
t	0.71 max	0.028 max

## SOLDERING PAD



	mm	inches
A	1.02	0.04
B	1.02	0.04
C	3.05	0.12
D	1.27	0.05

## HOW TO ORDER

**VTA3**

Varistor  
150°C

**0805**

Case Size

**14**

Working  
Voltage

14 = 14 Vdc

**C**

Energy  
Rating

C = 0.3J

**300**

Clamping  
Voltage

300 = 32V

**D**

Packaging

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

**P**

Termination

P = Sn

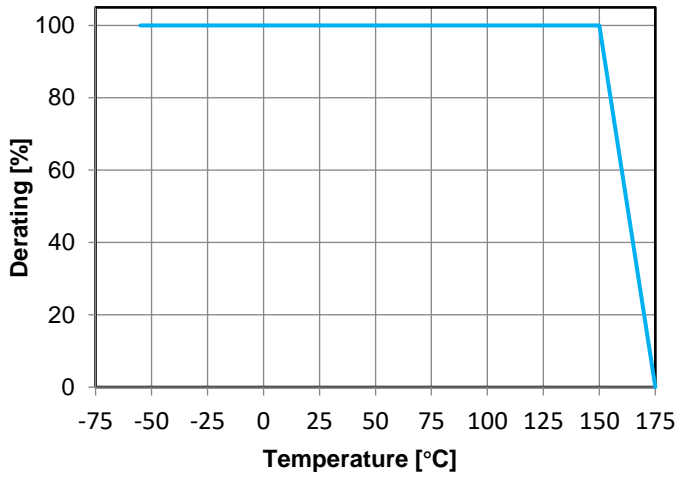
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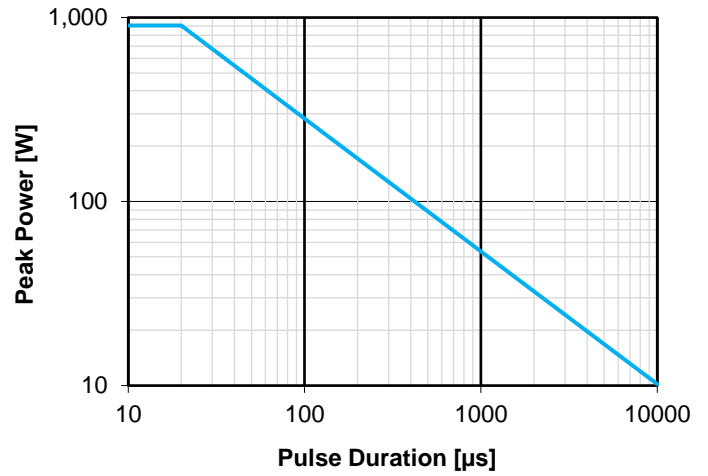
Multilayer Chip Varistor Datasheet

## TYPICAL CHARACTERISTICS

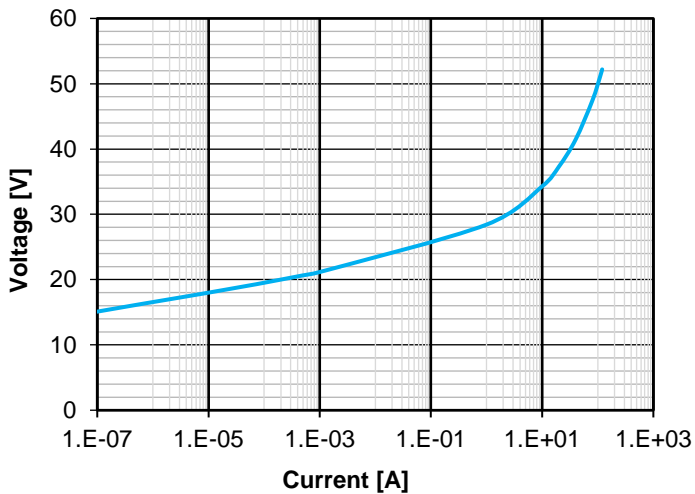
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

