

# VTA7060314E350DP

(0603, 14Vdc, 0.5J, 120A, 900pF, Sn Term)

Multilayer Chip Varistor Datasheet

## BASIC SPECIFICATION

Case Size [EIA]	0603
Operating Temperature	-55 to +175°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

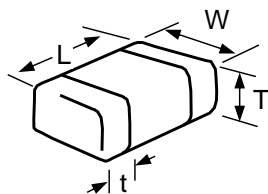


Click for  
Online Data

## ELECTRICAL CHARACTERISTICS

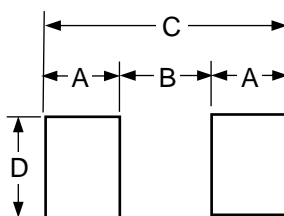
DC Working Voltage	14 Vdc
AC Working Voltage	10 Vac
Breakdown Voltage [1mA DC]	20.5±10% V
Clamping Voltage [8x20µs]	35V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.5 J
Load Dump Energy [x10]	-
Peak Power [10x1000µs]	0 W
Peak Current Rating [8x20µs]	120 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	900 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	20 V
Power Dissipation	0.01 W

## 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

**VTA7**

Varistor  
175°C

**0603**

Case Size

**14**

Working  
Voltage

14 = 14 Vdc

**E**

Energy  
Rating

E = 0.5J

**350**

Clamping  
Voltage

350 = 35V

**D**

Packaging

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

**P**

Termination

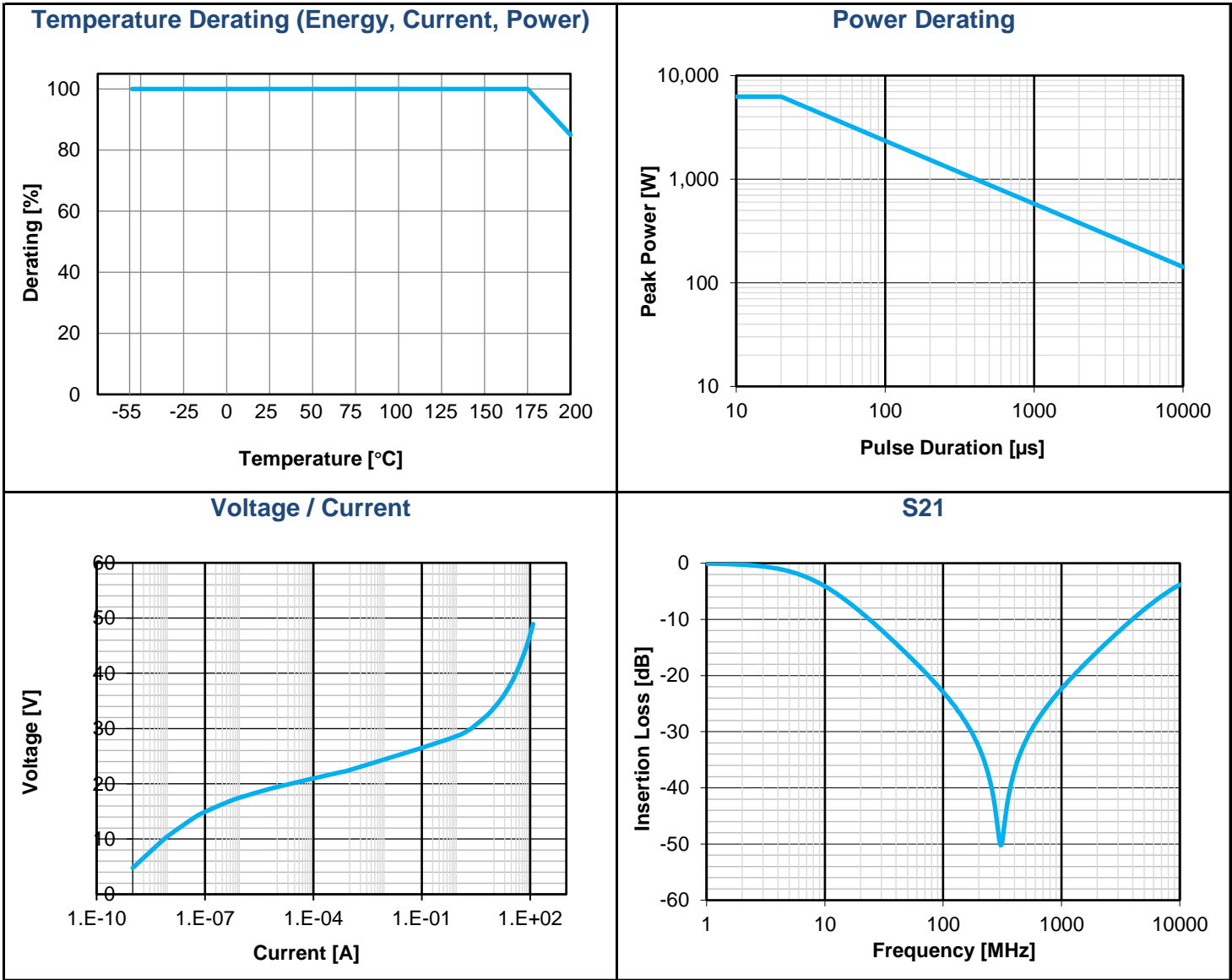
P = Sn

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TYPICAL CHARACTERISTICS



NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are believed 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.