

# VTA7060314E350TP

(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 13in (330mm)     |
| Packaging Qty         | 10000 pcs            |



AEC-Q200  
Qualified



RoHS  
Compliant

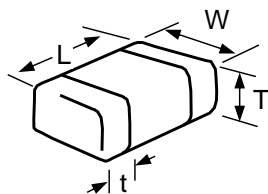


Click for  
Online Data

## ELECTRICAL CHARACTERISTICS

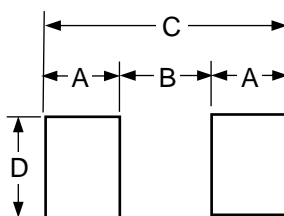
|   |            |
|---|------------|
| DC Working Voltage                        | 14 Vdc     |
| AC Working Voltage                        | 10 Vac     |
| Breakdown Voltage [1mA DC]                | 20.5±10% V |
| Clamping Voltage [8x20µs]                 | 35V @ 1A   |
| Max Leakage Current [Vdc, 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

**T**

Packaging

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

**P**

Termination

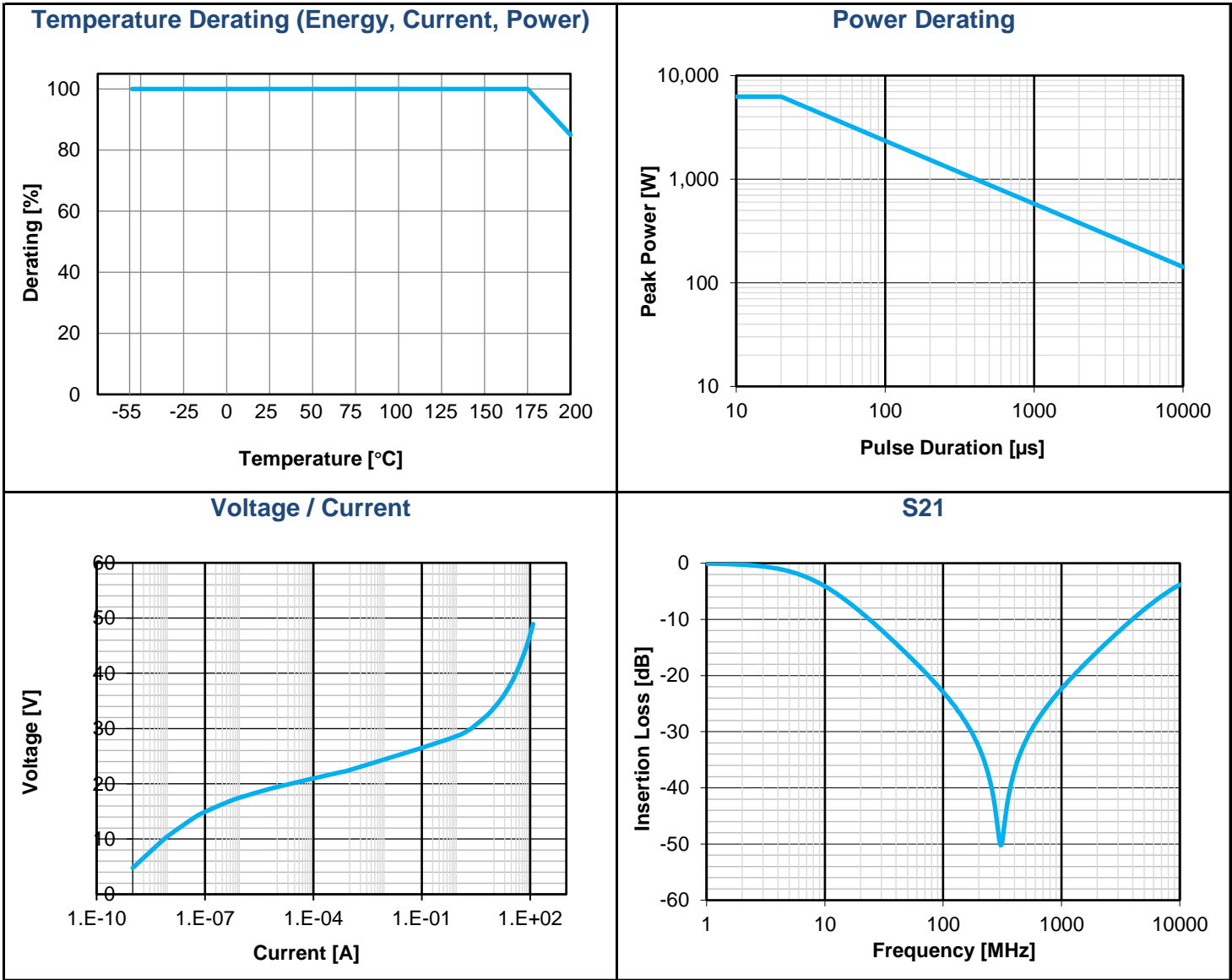
P = Sn

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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.