

VTA7120648M101DP

(1206, 48Vdc, 1J, 200A, 300pF, Sn Term)

Multilayer Chip Varistor Datasheet



BASIC SPECIFICATION

Case Size [EIA]	1206
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	4000 pcs



AEC-Q200
Qualified



RoHS
Compliant

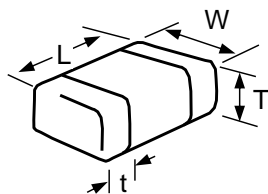


Click for
Online Data

ELECTRICAL CHARACTERISTICS

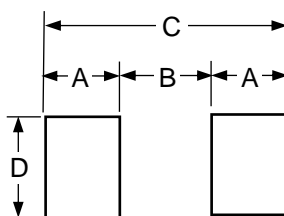
DC Working Voltage	48 Vdc
AC Working Voltage	34 Vac
Breakdown Voltage [1mA DC]	62±10% V
Clamping Voltage [8x20µs]	100V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	1 J
Load Dump Energy [x10]	1.5 J
Peak Power [10x1000µs]	0 W
Peak Current Rating [8x20µs]	200 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	300 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	48 V
Power Dissipation	0.002 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

VTA7

Varistor
175°C

1206

Case Size

48

Working
Voltage

48 = 48 Vdc

M

Energy
Rating

M = 1J

101

Clamping
Voltage

101 = 100V

D

Packaging

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

P

Termination

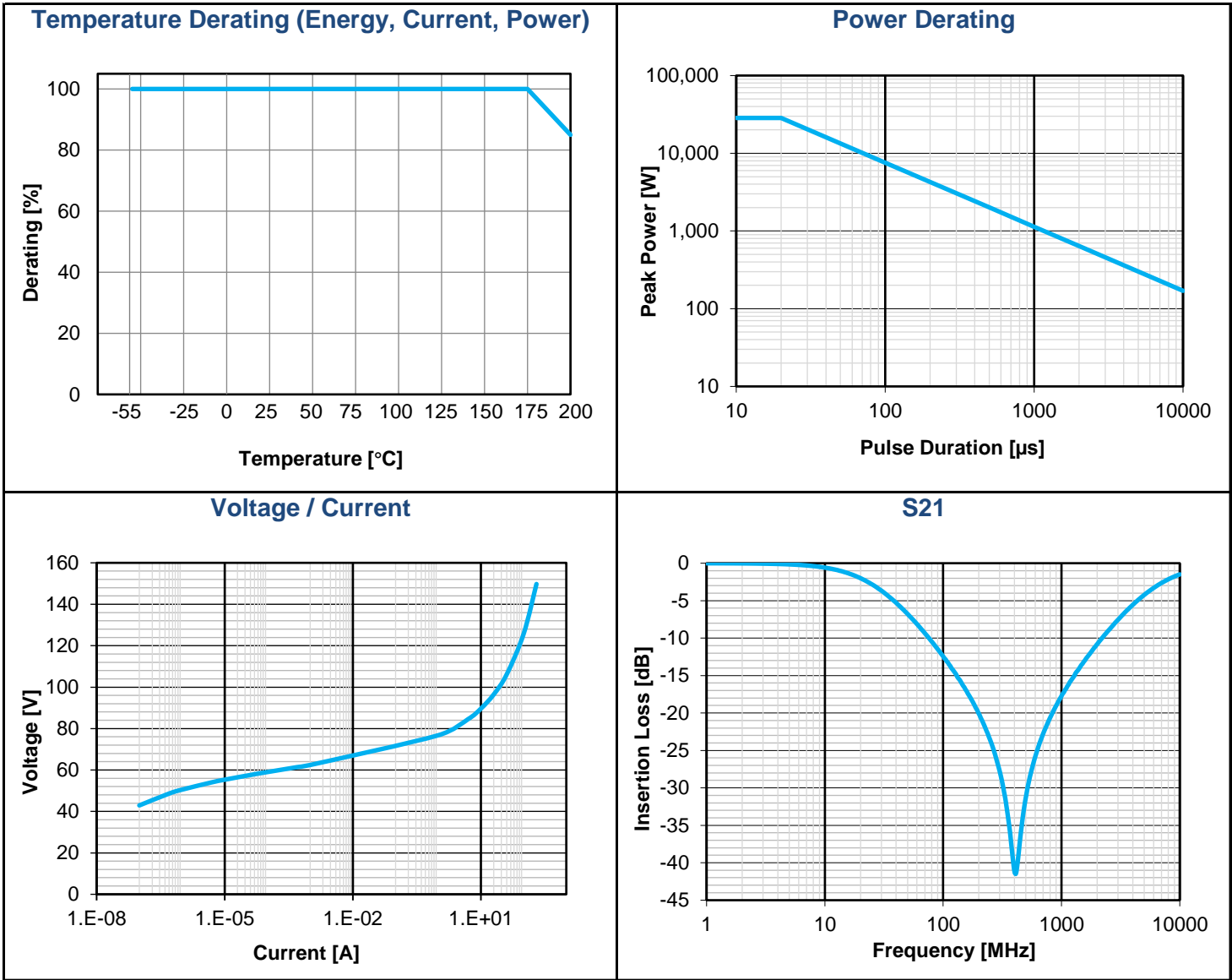
P = Sn

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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.