

# VCAS060330A650TP

(0603, 30Vdc, 0.1J, 30A, 125pF, Sn Term)

Multilayer Chip Varistor Datasheet

## BASIC SPECIFICATION

Case Size [EIA]	0603
Operating Temperature	-55 to +125°C
Grade	Automotive
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	30 Vdc
AC Working Voltage	21 Vac
Breakdown Voltage [1mA DC]	41.0±10% V
Clamping Voltage [8x20µs]	67V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.1 J
Load Dump Energy [x10]	0.15 J
Peak Power [10x1000µs]	75 W
Peak Current Rating [8x20µs]	30 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	125 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	29 V
Power Dissipation	0.002 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

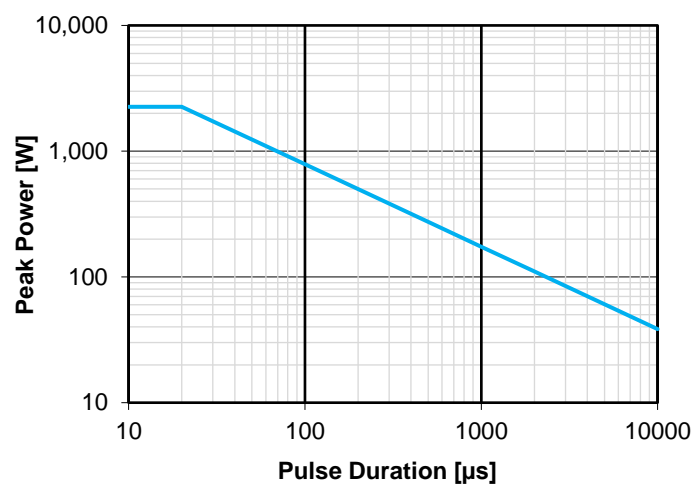
<b>VCAS</b>	<b>0603</b>	<b>30</b>	<b>A</b>	<b>650</b>	<b>T</b>	<b>P</b>
Varistor Chip Automotive	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		30 = 30 Vdc	A = 0.1J	650 = 67V	D = 7" reel (1,000pcs) R = 7" reel (4,000pcs) T = 13" reel (10,000pcs)	P = Sn

## TYPICAL CHARACTERISTICS

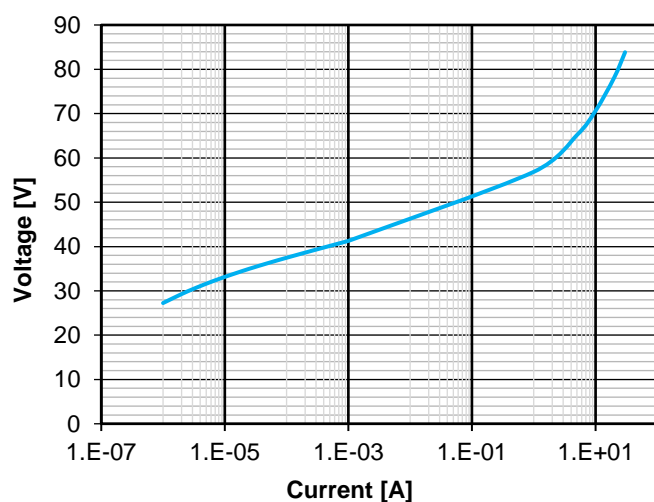
Temperature Derating (Energy, Current, Power)



Power Derating



Voltage / Current



S21

