

# VCAC060317X330MTP

(0603, 17Vdc, 0.05J, 2A, 33pF, Sn Term)

Multilayer Chip Varistor Datasheet



## BASIC SPECIFICATION

Case Size [EIA]	0603
Operating Temperature	-55 to +125°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



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## ELECTRICAL CHARACTERISTICS

DC Working Voltage	17 Vdc
AC Working Voltage	12 Vac
Breakdown Voltage [1mA DC]	27±20% V
Clamping Voltage [8x20µs]	52V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.05 J
Load Dump Energy [x10]	-
Peak Power [10x1000µs]	38 W
Peak Current Rating [8x20µs]	2 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	33 pF
Capacitance Tolerance	±20%
Jump Start Voltage [5min]	-
Power Dissipation	-

## 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>VCAC</b>	<b>0603</b>	<b>17</b>	<b>X</b>	<b>330</b>	<b>M</b>	<b>T</b>	<b>P</b>
Varistor Chip Automotive	Case Size	Working Voltage	Energy Rating	Capacitance	Capacitance Tolerance	Packaging	Termination
		17 = 17 Vdc	X = 0.05J	330 = 33pF	M = ±20%	D = 7" reel (1,000pcs) R = 7" reel (4,000pcs) T = 13" reel (10,000pcs)	P = Sn

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TYPICAL CHARACTERISTICS

