

VCAS040218X400WP

(0402, 18Vdc, 0.05J, 20A, 65pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	0402
Operating Temperature	-55 to +125°C
Grade	Automotive
Qualification	AEC-Q200
Termination	Sn
RoHS	Yes
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	10000 pcs



AEC-Q200
Qualified



RoHS
Compliant



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ELECTRICAL CHARACTERISTICS

DC Working Voltage	18 Vdc
AC Working Voltage	13 Vac
Breakdown Voltage [1mA DC]	25.5±10% V
Clamping Voltage [8x20µs]	42V @ 1A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	0.05 J
Load Dump Energy [x10]	0.05 J
Peak Power [10x1000µs]	38 W
Peak Current Rating [8x20µs]	20 A
Typical Capacitance [1MHz, 0.5Vrms, 25°C]	65 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	27.5 V
Power Dissipation	0.001 W

DIMENSIONS



	mm	inches
L	1.00±0.10	0.040±0.004
W	0.50±0.10	0.020±0.004
T	0.6 max	0.024 max
t	0.25±0.15	0.010±0.006

SOLDERING PAD



	mm	inches
A	0.61	0.024
B	0.51	0.02
C	1.7	0.067
D	0.51	0.02

HOW TO ORDER

VCAS	0402	18	X	400	W	P
Varistor Chip Automotive	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		18 = 18 Vdc	X = 0.05J	400 = 42V	W = 7" reel (10,000pcs)	P = Sn

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TYPICAL CHARACTERISTICS

