

VCAS121030S620DP

(1210, 30Vdc, 1.9J, 300A, 1500pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

Case Size [EIA]	1210
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	1000 pcs



AEC-Q200
Qualified



RoHS
Compliant



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ELECTRICAL CHARACTERISTICS

DC Working Voltage	30 Vdc
AC Working Voltage	21 Vac
Breakdown Voltage [1mA DC]	41.0±10% V
Clamping Voltage [8x20µs]	67V @ 5A
Max Leakage Current [Vdc, 25°C]	10 µA
Transient Energy [10x1000µs]	1.9 J
Load Dump Energy [x10]	3 J
Peak Power [10x1000µs]	1425 W
Peak Current Rating [8x20µs]	300 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	1500 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	29 V
Power Dissipation	0.038 W

DIMENSIONS



	mm	inches
L	3.20±0.20	0.126±0.008
W	2.49±0.20	0.098±0.008
T	1.7 max	0.067 max
t	1.14 max	0.045 max

SOLDERING PAD



	mm	inches
A	1.02	0.04
B	2.03	0.08
C	4.06	0.16
D	2.54	0.1

HOW TO ORDER

VCAS	1210	30	S	620	D	P
Varistor Chip Automotive	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		30 = 30 Vdc	S = 1.9J	620 = 67V	D = 7" reel (1,000pcs) R = 7" reel (2,000pcs) T = 13" reel (10,000pcs)	P = Sn

TYPICAL CHARACTERISTICS

