VGAH120631M650DP

(1206, 31Vdc, 1J, 200A, 700pF, Sn Term)

Multilayer Chip Varistor Datasheet

BASIC SPECIFICATION

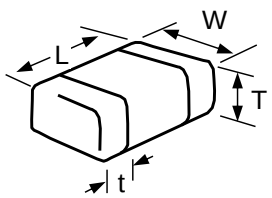
Case Size [EIA]	1206
Operating Temperature	-55 to +150°C
Grade	Automotive & General
Qualification	AEC-Q200
Termination	Sn
RoHS	Yes
MSL Level	1
Packaging	T&R 7in (180mm)
Packaging Qty	2000 pcs

AEC-Q200 Qualified | **RoHS Compliant** | **Click for Online Data**

ELECTRICAL CHARACTERISTICS

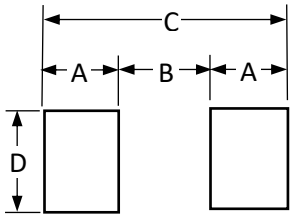
DC Working Voltage	31 Vdc
AC Working Voltage	25 Vac
Breakdown Votage [1mA DC]	39±10% V
Clamping Voltage [8x20µs]	65V @ 1A
Max Leakage Current [Vdc, 25°C]	15 µA
Transient Energy [10x1000µs]	1 J
Load Dump Energy [x10]	2.5 J
Peak Power [10x1000µs]	750 W
Peak Current Rating [8x20µs]	200 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	700 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	30 V
Power Dissipation	0.03 W

DIMENSIONS



	mm	inches
L	3.20±0.20	0.126±0.008
W	1.60±0.20	0.063±0.008
T	1.7 max	0.067 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

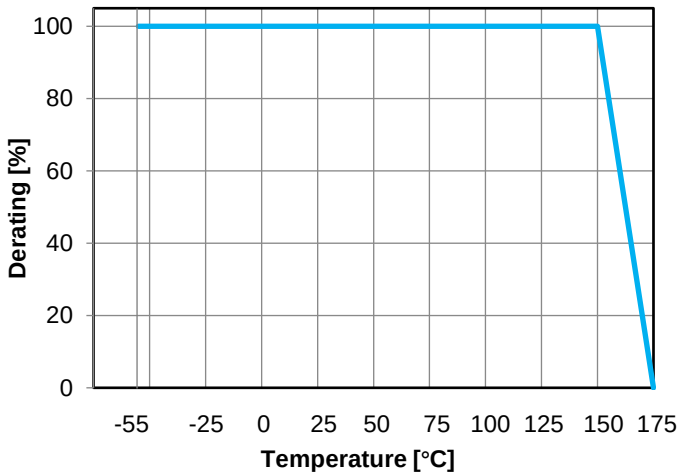
HOW TO ORDER

VGAH	1206	31	M	650	D	P
Varistor Glass Encapsulated 150°C	Case Size	Working Voltage	Energy Rating	Clamping Voltage	Packaging	Termination
		31 = 31 Vdc	M = 1J	650 = 65V	D = 7“ reel (1,000pcs) R = 7“ reel (2,000pcs) T = 13“ reel (10,000pcs)	P = Sn

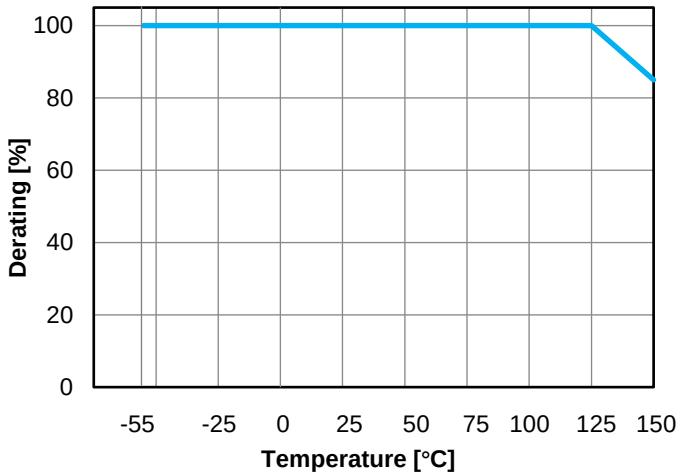
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TYPICAL CHARACTERISTICS

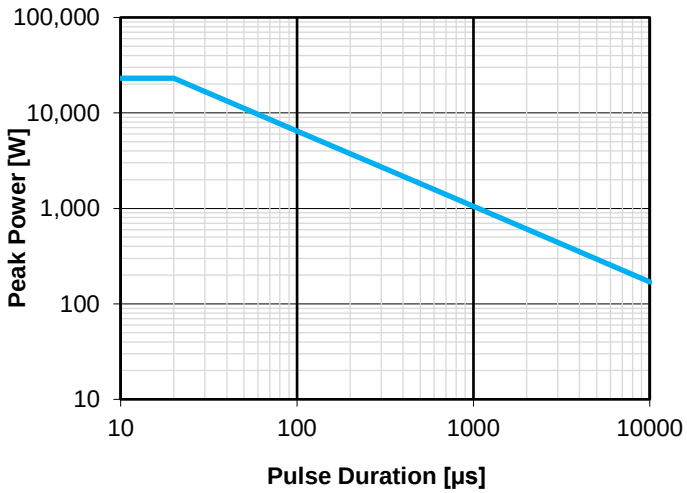
Temperature Derating (Energy, Current, Power)



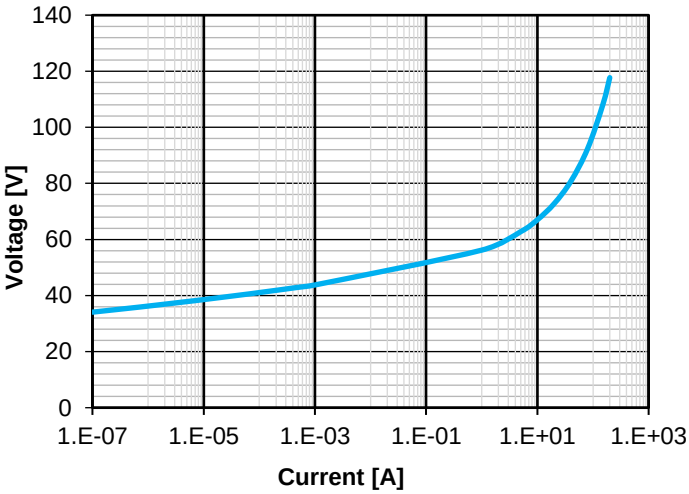
Temperature Derating (Working Voltage)



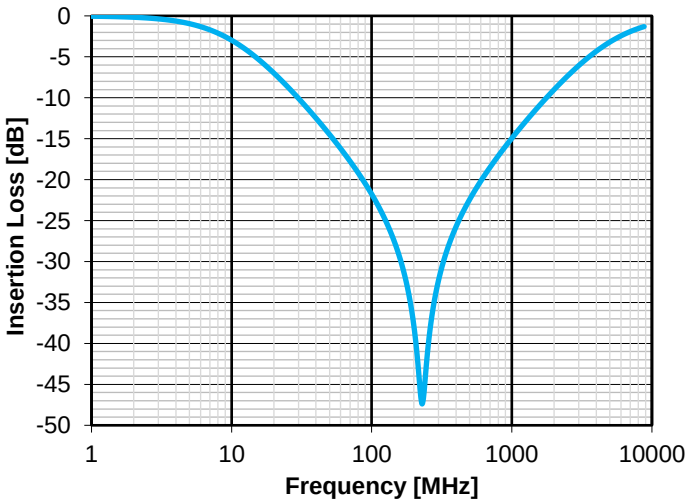
Power Derating



Voltage / Current



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