# VGAH121031R650DP

(1210, 31Vdc, 1.7J, 300A, 1200pF, Sn Term)



### **BASIC SPECIFICATION**

Case Size [EIA]	1210
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	1000 pcs



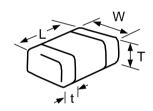




## **ELECTRICAL CHARACTERISTICS**

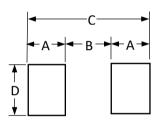
DC Working Voltage	31 Vdc
AC Working Voltage	25 Vac
Breakdown Votage [1mA DC]	39±10% V
Clamping Voltage [8x20µs]	65V @ 2.5A
Max Leakage Current [Vdc, 25°C]	15 µA
Transient Energy [10x1000µs]	1.7 J
Load Dump Energy [x10]	4.5 J
Peak Power [10x1000µs]	1275 W
Peak Current Rating [8x20µs]	300 A
Typical Capacitance [1kHz, 0.5Vrms, 25°C]	1200 pF
Capacitance Tolerance	+100/-50%
Jump Start Voltage [5min]	30 V
Power Dissipation	0.05 W

#### **DIMENSIONS**



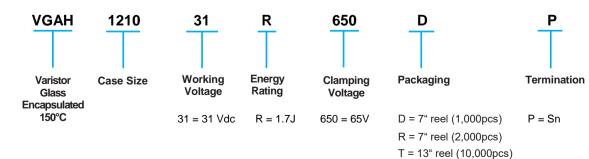
	mm	inches
L	3.20±0.20	0.126±0.008
W	2.49±0.20	0.098±0.008
Т	1.7 max	0.067 max
t	1.14 max	0.045 max

#### **SOLDERING PAD**



	mm	inches
Α	1.02	0.04
В	2.03	0.08
С	4.06	0.16
D	2.54	0.1

#### **HOW TO ORDER**



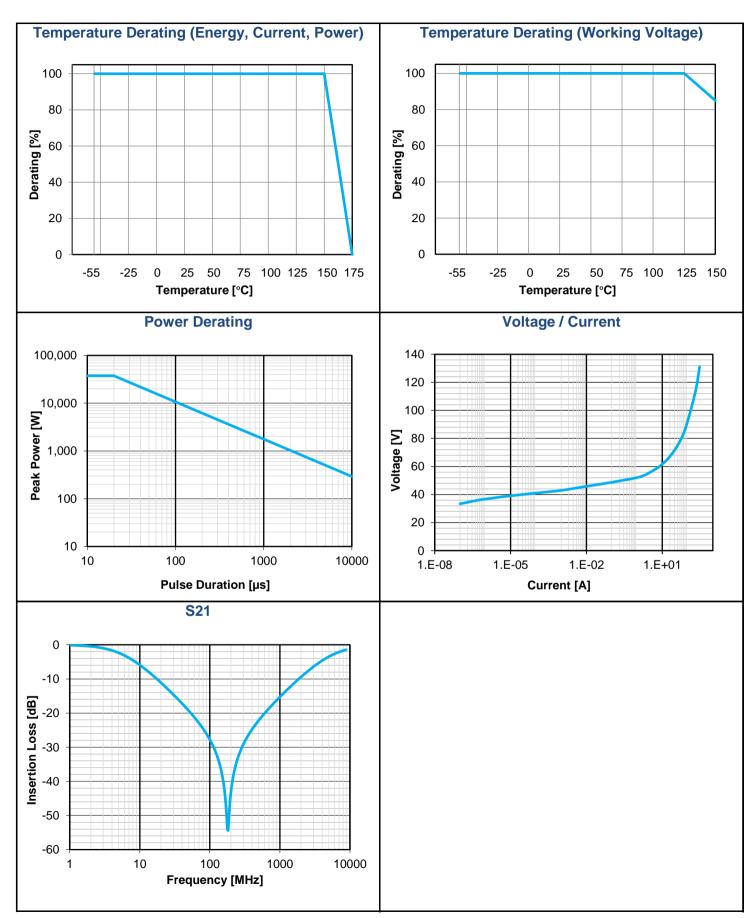
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Multilayer Chip Varistor Datasheet



#### **TYPICAL CHARACTERISTICS**



NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are beleived to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications.