CG21AS26F105MR

(CG21, 26Vdc, 0.7J, 200A, 1000000pF, Ni/Sn Term)

CapGuard Automotive Multilayer Varistors

for Automotive, Industrial and General applications

AEC-Q200 Qualified

AVX's radial leaded CapGuard™ products are designed to provide both transient voltage protection and EMI/RFI suppression for electronic circuits. CapGuards™ are ideally suited to filter out EMI/RFI noise generated by switch mode power supplies or motors on DC lines or I/O lines in electronic circuits. Varistor provides bi-directional transient voltage protection and X7R capacitor absorbs high frequency noise on the line over broad frequency range.

Electrical Characteristics

Operating Temperature	-55 to +125°C

Case Size	V_W (DC)	V_W (AC)	V_B	V_C	I_{VC}	I_L	E_T	E_{LD}	PP	I_P	Cap	Cap Tol	V_{JUMP}
EIA	Vdc	Vac	V	V	A	µA	J	J (10x)	W	A	µF	-	V (5min)
CG21	26	18	33.0±10%	54	1	15	0.7	1.5	525	200	1	±20%	27.5

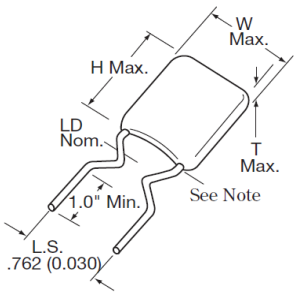
P_{DISS}
W
0.1

V_W(DC)	DC Working Voltage [V]
V_W(AC)	AC Working Voltage [V]
V_B	Typical Breakdown Votage [V @ 1mA$_{DC}$]
V_C	Clamping Voltage [V @ I_{VC}]
I_{VC}	Test Current for V_C [A, 8x20µs]
I_L	Maximum leakage current at the working voltage [µA]
E_t	Transient Energy Rating [J, 10x1000µS]
E_{LD}	Load Dump Energy (x10) [J]
PP	Peak Power Rating [W, 10x1000µS]
I_P	Peak Current Rating [A, 8x20µS]
Cap	Typical capacitance [pF] @1kHz and 0.5VRMS
Cap tol	Capacitance tolerance from typical value
V_{JUMP}	Jump start voltage [V, 5min]
P_{DISS}	Max Power Dissipation [W]

Dimensions

mm (inches)

Style	Width (L)	Height (W)	Thickness (T)	Lead Spacing	Lead Diameter
CG21	6.35 Max	8.25 Max	5.08	5.08±0.76	0.508 nom.
	(0.250)	(0.325)	(0.200)	(0.200±0.030)	(0.020)



Note: Coating clean .784 (0.031) min. above seating plane

Termination

Ni wire/Sn

RoHS COMPLIANT

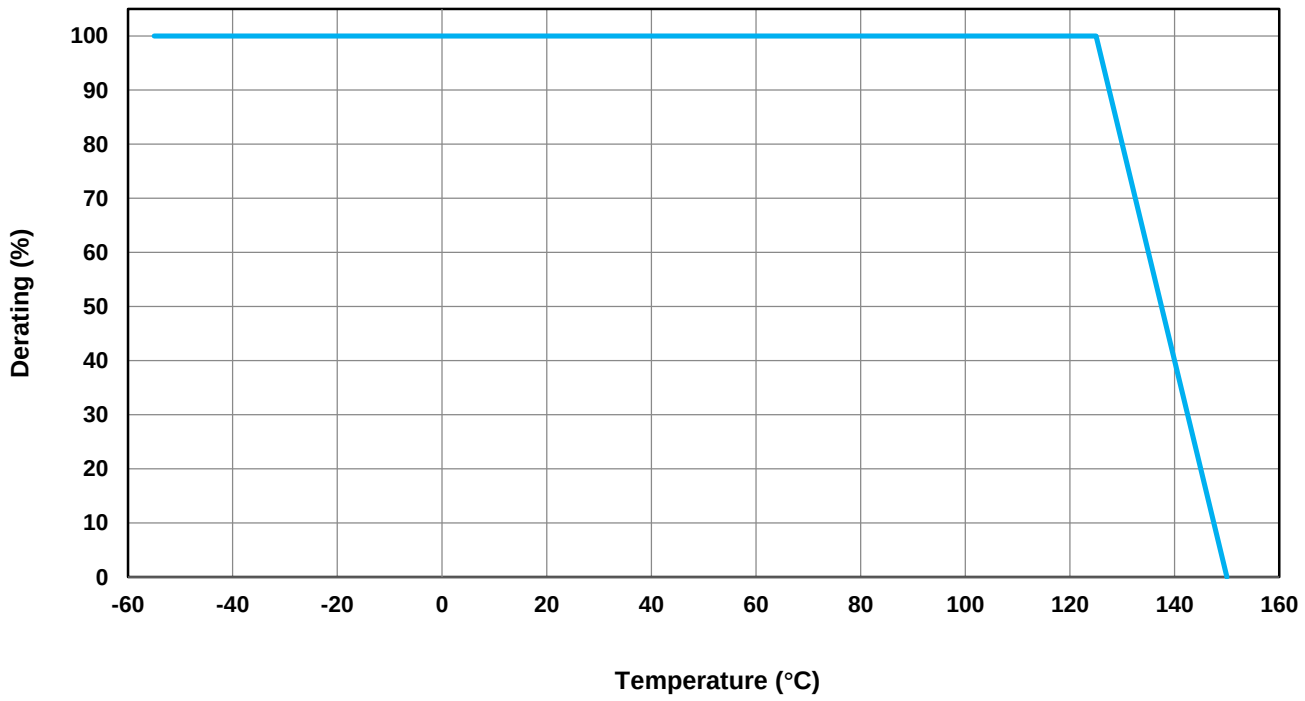
MSL 1

Pb Free 260°C

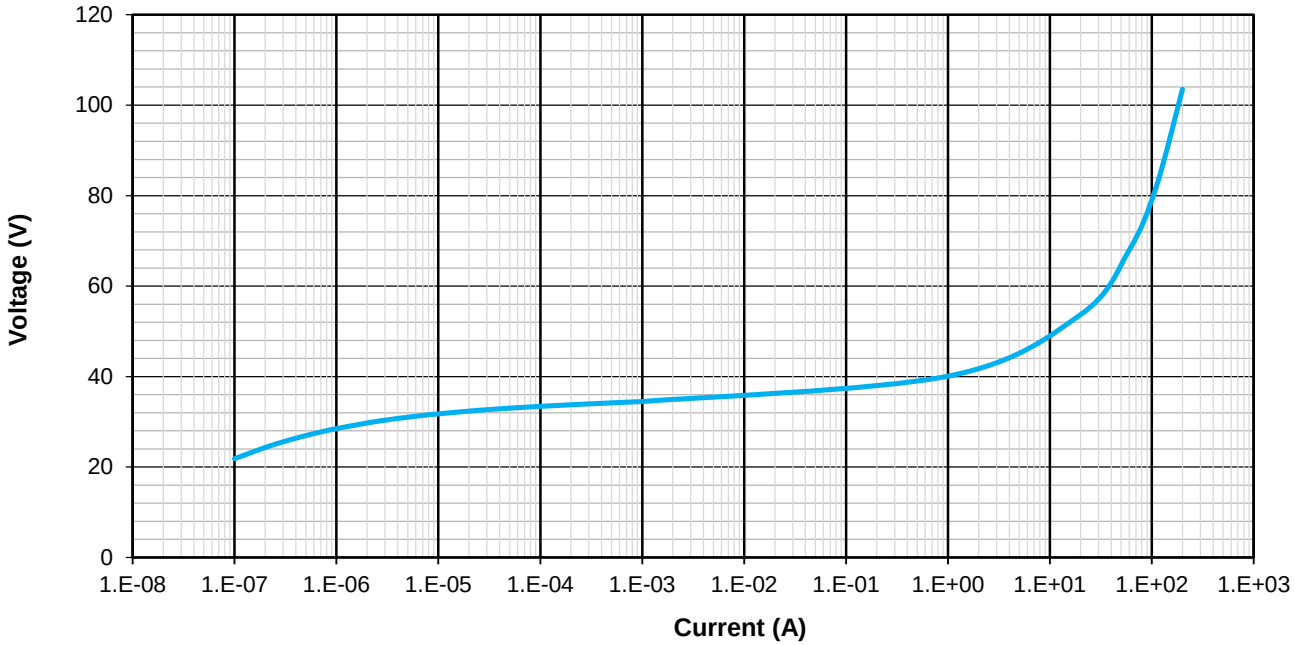
How to order (Packaging options)

CG21	AS	26	F	105	M	R	
Style	Automotive Series	Working Voltage	Energy Rating	Capacitance	Tolerance	Leads	Packaging
		26 = 26Vdc	F = 0.7J	105 = 1µF	M = ±20%	R = RoHS Compliant	Blank = Bulk (1,000pcs) TR1 = T&R Standard 1 (3,000pcs) TR2 = T&R Standard 2 (3,000pcs)

Typical Energy Derating Curve (Transient Energy, Peak Current, Power)



Voltage / Current Characteristics



Power Derating