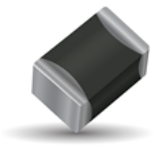
# VG222026Y570TP

( 2220, 26Vdc, 6.8J, 1100A, 7000pF, Ni/Sn Term )

## Glass Encapsulated TransGuard® Multilayer Varistors

for Industrial and General applications



The Glass Encapsulated TransGuard® multilayer varistors provide bi-directional overvoltage protection as well as EMI/RFI attenuation in a single SMT package. Glass encapsulation extends the range into high energy applications and in addition provides enhanced resistance against harsh environment or process such as acidic environment, salts or chlorite flux.

## Electrical Characteristics

| Operating Temperature | -55 to +125°C |
|---|---|

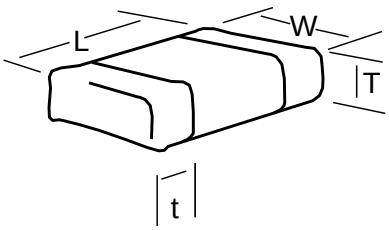
| Case Size | $V_W$ (DC) | $V_W$ (AC) | $V_B$ | $V_C$ | $I_{VC}$ | $I_L$ | $E_T$ | PP | $I_P$ | Cap | Cap Tol |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EIA | Vdc | Vac | V | V | A | µA | J | W | A | pF | - |
| 2220 | 26 | 23 | 35.0±10% | 57 | 10 | 15 | 6.8 | 5120 | 1100 | 7000 | +100/-50% |

| | | | |
|---|---|---|---|
| $V_W$(DC) | DC Working Voltage [V] | PP | Peak Power Rating [W, 10x1000µS] |
| $V_W$(AC) | AC Working Voltage [V] | $E_t$ | Transient Energy Rating [J, 10x1000µS] |
| $V_B$ | Typical Breakdown Votage [V @ 1mA$_{DC}$] | $I_P$ | Peak Current Rating [A, 8x20µS] |
| $V_C$ | Clamping Voltage [V @ $I_{VC}$] | Cap | Typical capacitance [pF] @1kHz and 0.5VRMS |
| $I_{VC}$ | Test Current for $V_C$ [A, 8x20µs] | Cap tol | Capacitance tolerance from typical value |
| $I_L$ | Maximum leakage current at the working voltage [µA] | | |

## Dimensions

**mm (inches)**

| Size (EIA) | Length (L) | Width (W) | Thickness (T) | Terminal (t) |
|---|---|---|---|---|
| 2220 | 5.70±0.40 | 5.00±0.40 | 2.5 max | 1.00 max |
| | (0.224±0.016) | (0.197±0.016) | (0.098 max) | (0.039 max) |




## Termination

Ni barrier/100% Sn plated termination for lead free soldering.

RoHS COMPLIANT

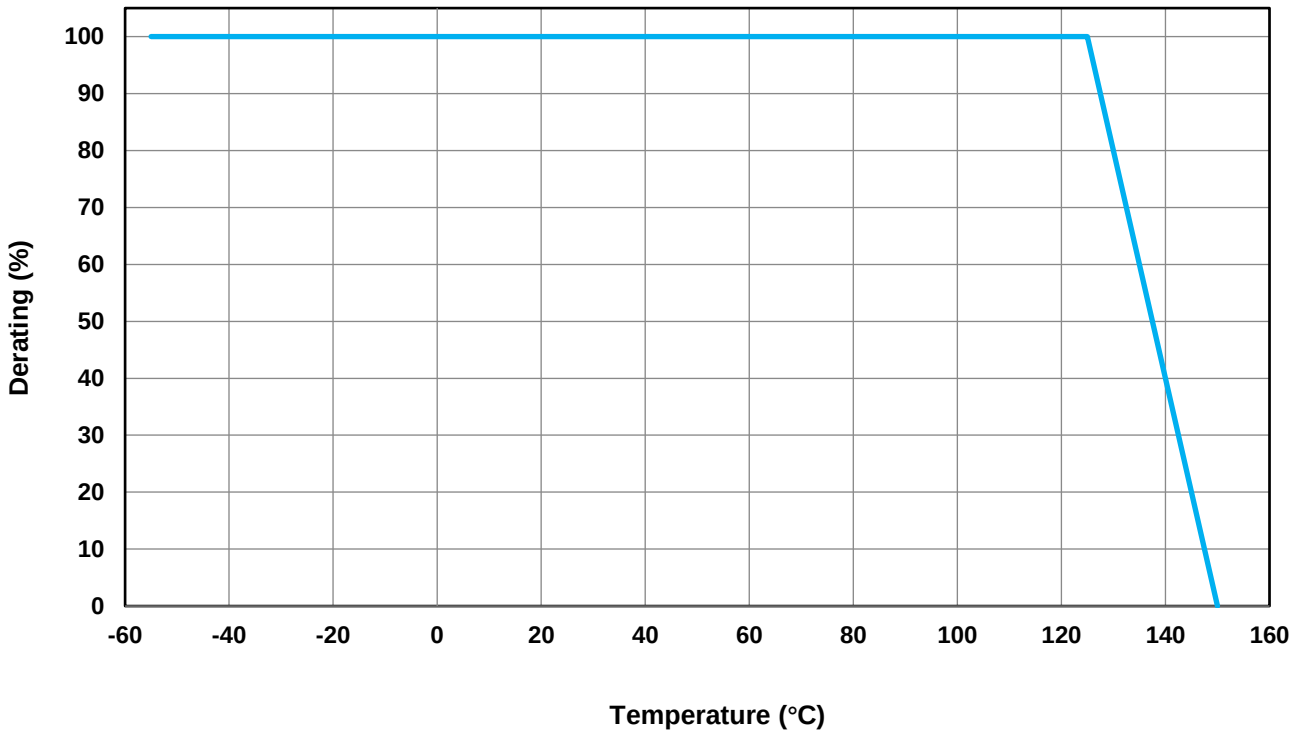
MSL 1

Pb Free 260°C

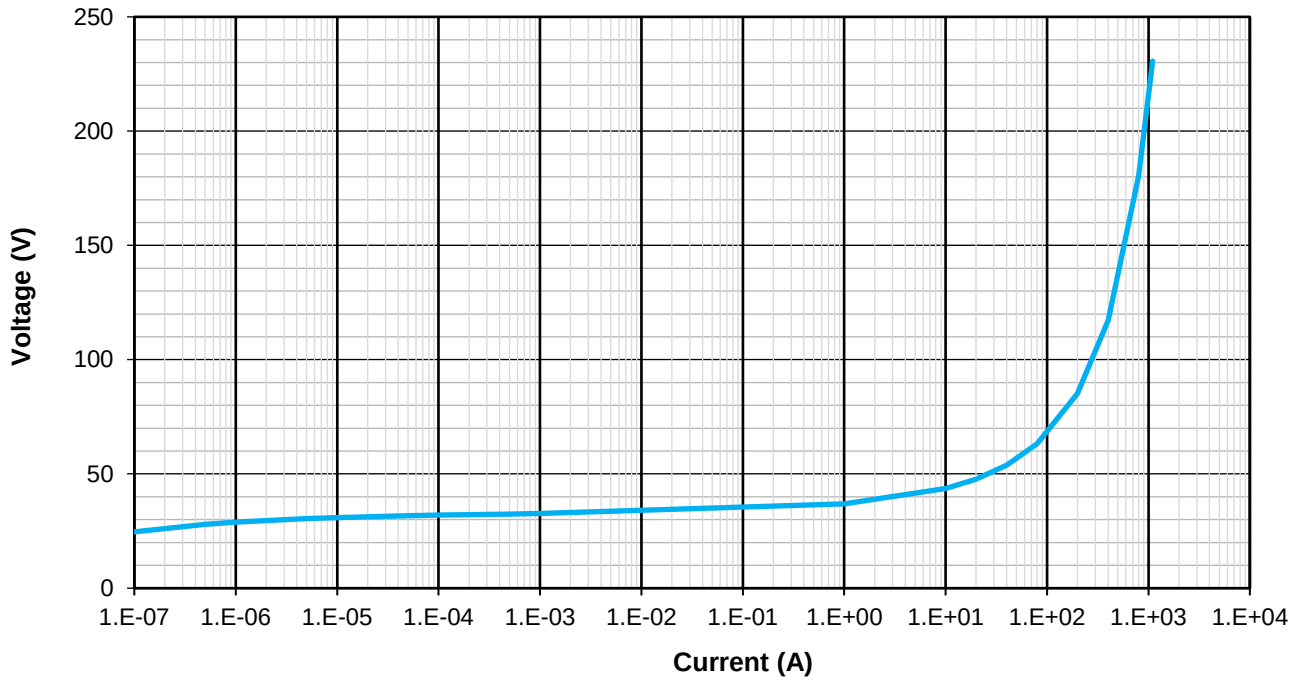
## How to order (Packaging options)

| VG | 2220 | 26 | Y | 570 | T | P |
|---|---|---|---|---|---|---|
| Varistor Glass Encapsulated | Case Size | Working Voltage | Energy Rating | Clamping Voltage | Packaging | Termination |
| | | 26 = 26Vdc | Y = 6.8J | 570 = 57V | D = 7" reel (1,000pcs)<br>T = 13" reel (4,000pcs) | P = Ni/Sn |

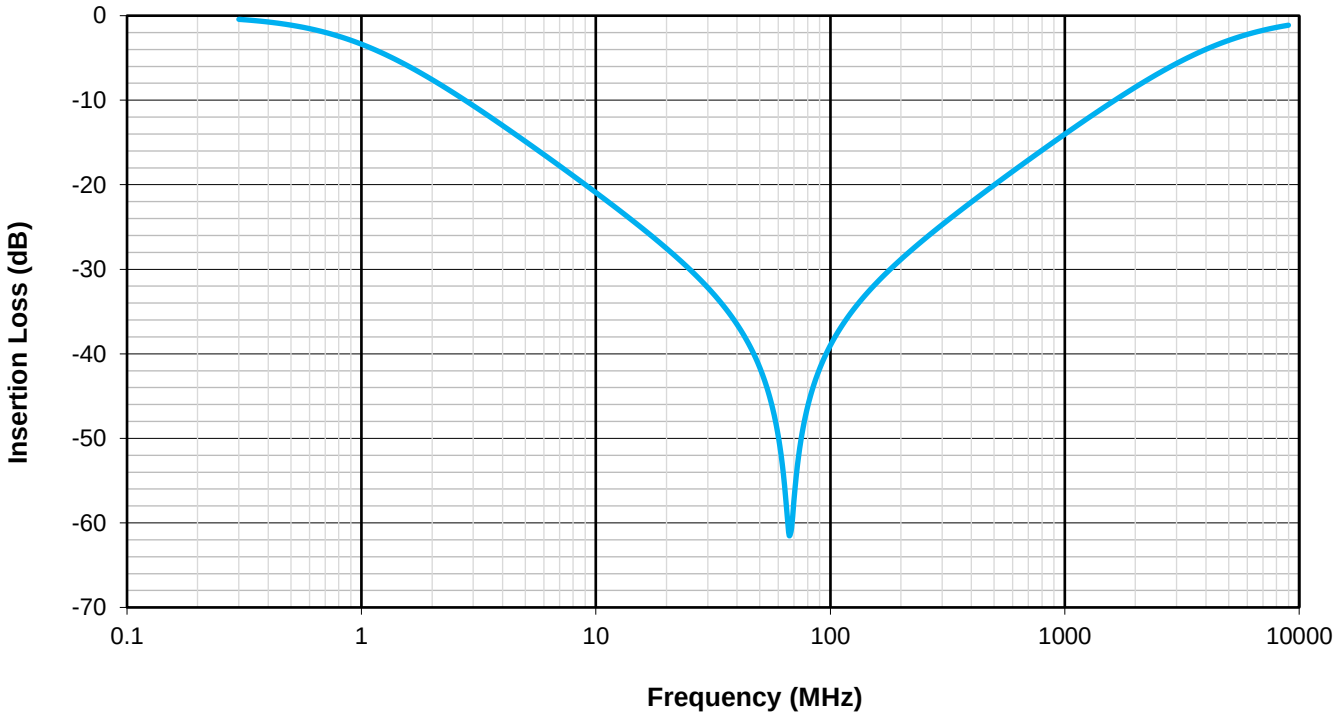
## Typical Energy Derating Curve (Transient Energy, Peak Current, Power)



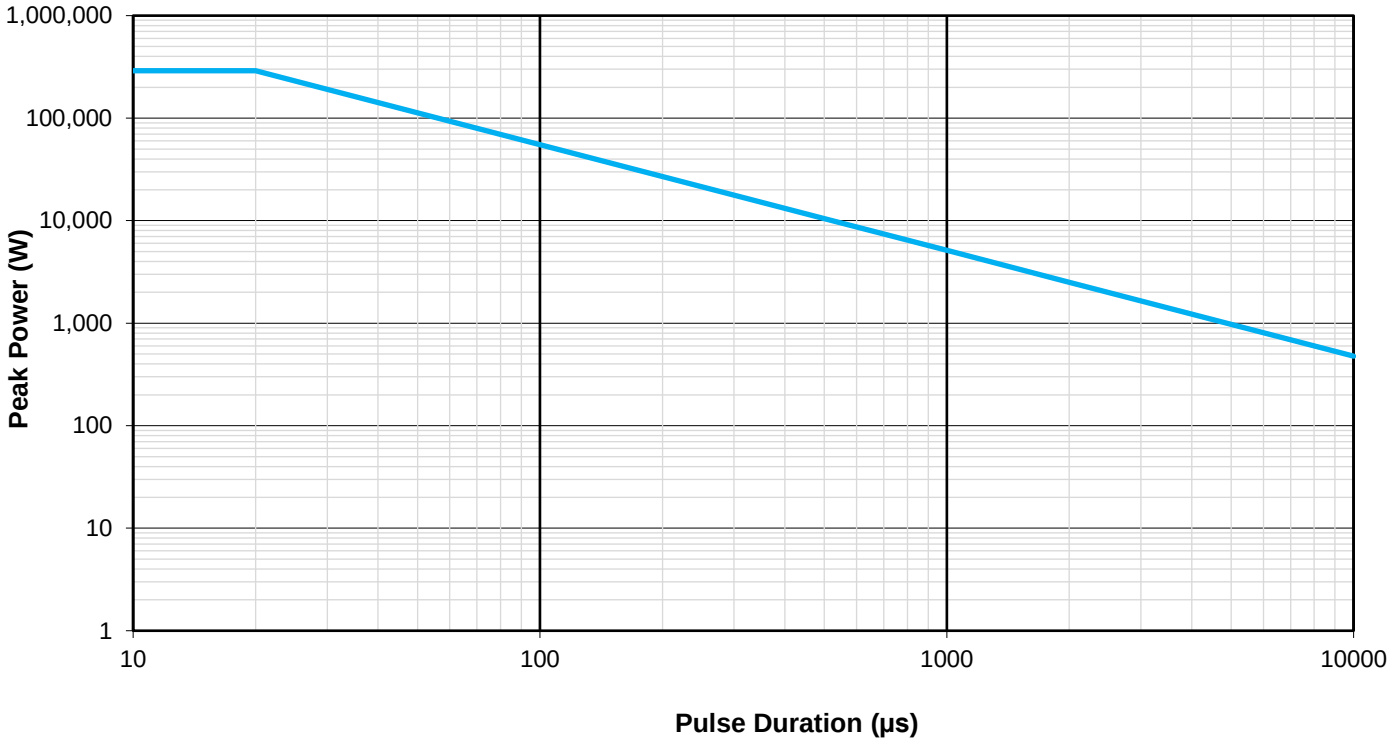
## Voltage / Current Characteristics




## S21 Characteristics



## Power Derating




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.