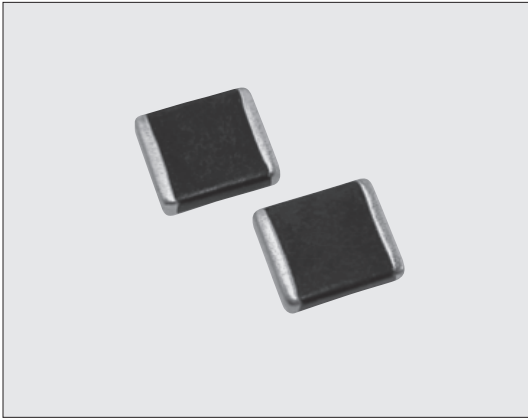
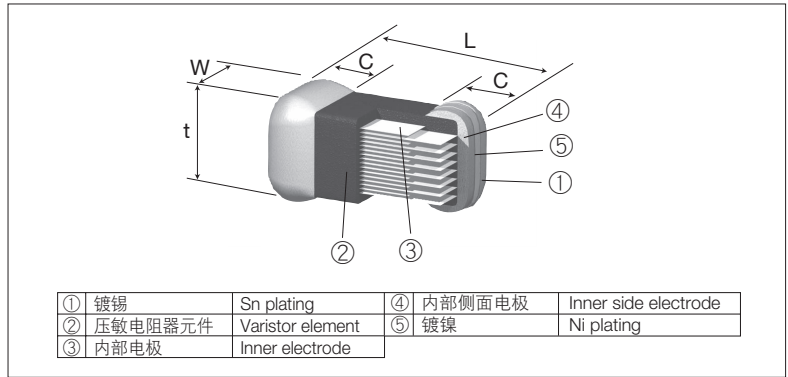


NV73DS 负载突降浪涌保护用层叠型金属氧化物压敏电阻器 Multilayer Type Metal Oxide Varistors for Load Dump Surge



外观颜色：黑色 Body color: Black

■ 结构图 Construction



■ 特点 Features

- 有双向对称性，可吸收正负浪涌。
- 适用于汽车电子机器在负载突降时的浪涌对策。
- 对应JASO过渡电压试验A种A-1。
- 可以在高温（125℃）下使用。
- 温度循环强。
- 对应波峰焊和回流焊。
- 符合欧盟RoHS。
- AEC-Q200相关数据已取得。
- Symmetrical non-linearity V-I characteristics absorb positive and negative surge.
- Suitable for the protection from load dump surge on the electronic components for automotive.
- Meet for load dump surge test of JASO.
- Operating temperatures up to 125℃.
- High resistance to cyclic temperature stress.
- Suitable for both flow and reflow solderings.
- Products meet EU-RoHS requirements.
- AEC-Q200 Qualified.

■ 外形尺寸 Dimensions

型号 Type	尺寸 Dimensions (mm)				Weight (g) (1000pcs)
	L	W	t Max.	c	
NV73DS 2L	6.1±0.35	5.1±0.35	3.7	1.05±0.2	420~550

■ 品名构成 Type Designation

实例 Example

NV73DS	A	2L	T	TE	27
品种 Product Code	能量代码 Energy Code	尺寸 Size	端子表面材质 Termination Surface Material	二次加工 Taping	压敏电阻器电压 Varistor Voltage
	A B	2L: 6.1×5.1mm	T: Sn	TE: Plastic embossed BK: Bulk	

欲知关于此产品含有的环境负荷物质详情（除EU-RoHS以外），请与我们联系。
编带细节参照卷末附录C。

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.

For further information on taping, please refer to APPENDIX C on the back pages.

■ 用途 Applications

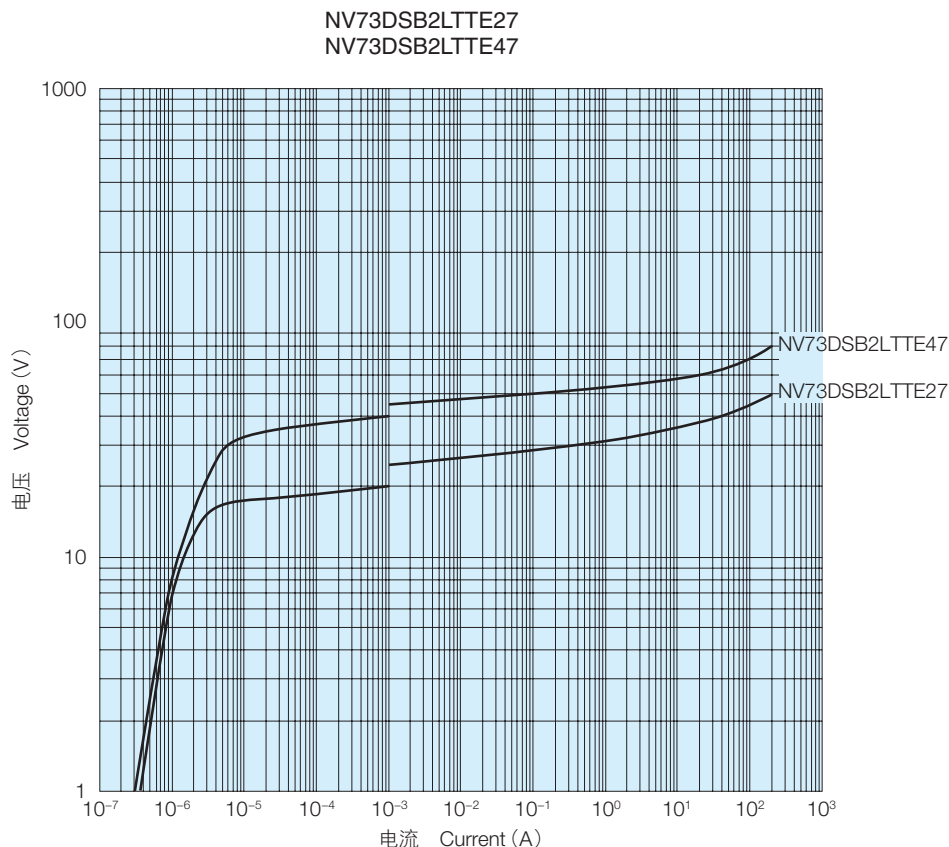
- 车载电子设备的过电压的保护。
- 从电动机、继电器等的感应载荷所发生的过电压的吸收。
- 从过电压保护半导体元件。
- Protection from surge to electronic device for auto-motive.
- Absorption of surge voltages occurred from inductive load of motors, relays, etc.
- Protection of semiconductor elements against over voltages.

■ 额定值 Ratings

工作温度范围 Operating Temperature Range: -40℃~+125℃ 保存温度范围 Storage Temperature Range: -40℃~+150℃
包装数量/卷 Q'ty/Reel : 500pcs

型号 Type	压敏电阻器电压(允许范围) Varistor Voltage (Range) (V)		最大允许回路电压 Maximum Allowable Voltage		限制电压 Clamping Voltage (V)	负载突降耐量 Maximum Load Dump Surge Energy	耐浪涌量 Maximum Peak Current	短时间施加电压 Short-Time Applied Voltage (5min.)
	V _{1mA}	A.C. (V _{r.m.s.})	D.C. (V)	V _{20A}				
NV73DSA2LTTE27	20~25	14	16	40	70	8/20μs (A) 1time	200	24.5
NV73DSB2LTTE27	20~25	14	16	40	63		200	24.5
NV73DSB2LTTE47	40~45	30	34	60	65		200	38

■ 电压-电流曲线 (参考) Voltage-Current Curves (Reference) (Ta=25°C)



■ 性能 Performance

试验项目 Test Items	标准值 Performance Requirements $\Delta V_{1mA} \pm \%$	试验方法 Test Methods
压敏电阻器电压 Varistor voltage	在规定的允许偏差内 Within specified tolerance	把1mA流入时的端子间电压。 Voltage between terminals when 1mA is flowed.
耐焊接热 Resistance to soldering heat	10	260°C ± 5°C、10s ± 0.5s
焊接性 Solderability	应有95%以上的新焊锡覆盖。 95% coverage min	230°C ± 5°C、5s ± 0.5s
温度突变 Rapid change of temperature	10	-40°C (30min.)/+125°C (30min.) 1000cycles
短时间施加电压 Short-time applied voltage	10	短时间 (5分钟内) 能施加的直流电压的最大值。 Maximum value of D.C. voltage that can be applied for a short period of time. (5min.)
耐浪涌量 Maximum peak current	10	把额定的冲击波电流 (T=8×20μs) 施加一次。 A single standard impulse current of 8/20μs is applied.
耐静电量 Electrostatic discharge	10	25kV (大气放电) 25kV (Non contact)
耐振性 Vibration resistance	外观应无显著异常。应无端子电极剥离和主体破损等异常。 No visible damage. No remarkable mechanical damage	振动频率数 Vibration frequency: 10Hz~2000Hz 振动全振幅 Full amplitude: 1.5mm, 10Hz~2000Hz~10Hz 20min. XYZ方向各4小时, 共12小时 XYZ direction 4hrs for each total 12hrs
施加高温高湿电压 High temperature & high humidity life with bias	10	85°C ± 2°C, 85%RH, 1000h 连续施加压敏电阻器电压 (V _{1mA}) × 0.85。 Applied voltage: Varistor voltage (V _{1mA}) × 0.85
施加高温直流电压 High temperature life with d.c. bias	10	125°C ± 2°C, 1000h 连续施加压敏电阻器电压 (V _{1mA}) × 0.85。 Applied voltage: Varistor voltage (V _{1mA}) × 0.85
热冲击试验 Thermal shock	10	-55°C (15min.)/+125°C (15min.) 300cycles
冲击试验 Shock	10	施加半正弦波、1ms、500m/s ² 5次。 Half sine wave, Applied time: 1ms, Applied cycle: 500m/s ² , 5cycles
高温保存 High temperature storage	10	+150°C, 1000h
低温保存 Low temperature storage	10	-40°C, 1000h