32D Series

产品简介

压敏电阻的本体是由氧化锌颗粒组成的矩阵结构。颗粒之间的晶界类似双向 PN 结的电气特性，当低电压时，这些晶界处于高阻抗状态，当电压高时，又会处于击穿状态，是一种非线性器件。。



Product Profile

The body of varistor is a matrix structure composed of zinc oxide particles. The grain boundaries between particles are similar to the electrical characteristics of bidirectional PN junctions. When the voltage is low, these grain boundaries are in the high impedance state, and when the voltage is high, they will be in the breakdown state, which is a kind of non-linear device.

应用领域：

通讯基站电源

铁路信号电源

1000V 以下低压配电设备、控制设备等等。

楼宇配电

电焊机

Application

Communication base station power supply

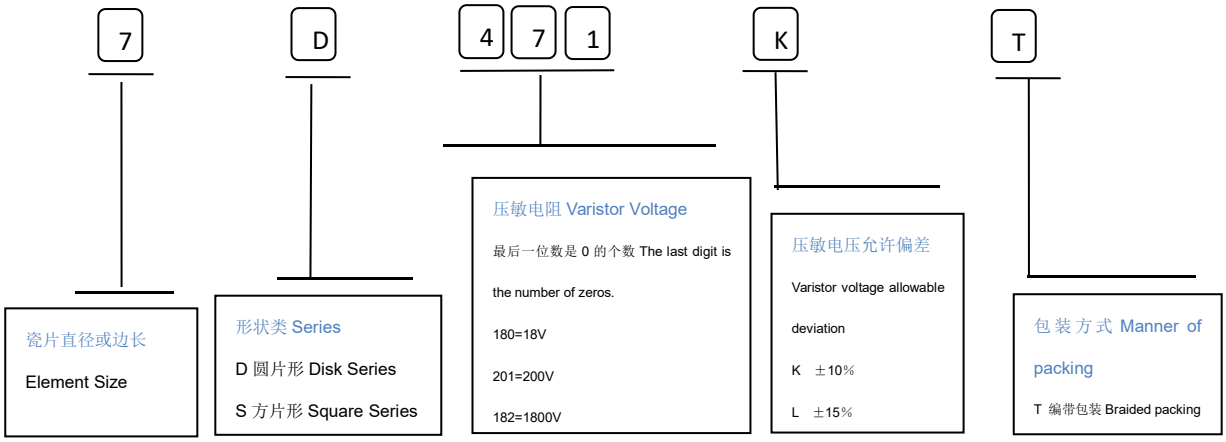
Railway signal power supply

Low voltage distribution equipment, control equipment, etc. below 1000V

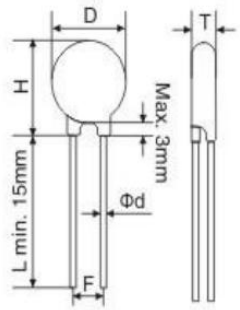
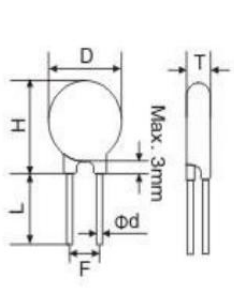
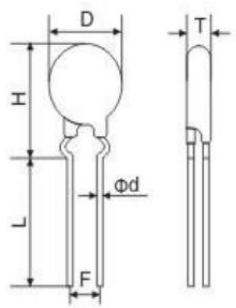
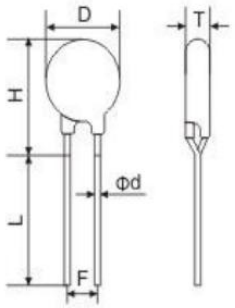
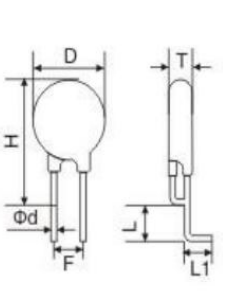
Building distribution

Electric welder

产品料号代码 HOW TO ORDER



产品外形 Product Shape

Bulk Straight 标准外形	Cutting Straight 切短脚	Out Forming 外弯脚	Y-Forming Y 型脚	Cutting Bending 折脚
				

口 K 的详解 Detailed explanation of

口中的内容	K	KJ	KH	KH+

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产品级别 Product Level	普通型 conventional type		加强型 Reinforced type		超强型 Superstrong type		定制型 Customized
性能参数 property parameter	1 次脉冲最大电流 Withstanding surge Current (Imax) (A)	电压冲击 15 次 Impulse voltage15 Times (1.2/50μs) (V)	1 次脉冲最大电流 Withstanding surge Current (Imax) (A)	电流冲击 15 次 Impulse current 15 Times （8/20μs） (A)	1 次脉冲最大电流 Withstanding surge Current (Imax) (A)	电压冲击 40 次 Impulse voltage40 Times （1.2/50μs） (V)	超出左边栏的脉冲标准的特殊规格 Super high Energy
5D	400	1000	800	250	800	1000	举例 1 Example 14D 满足 20D 的脉冲性能要求 14D instead of 20D 举例 2 Example 14D561KH+ 能达到 6KV/3KA 100 次 14D561KH+ reach 6KV/3KA 100times
7D	1200	2000	1750	500	1750	2000	
10D	1500	4000	3500	1500	3500	4000	
14D	4500	6000	6000	3000	6000	6000	
20D	6500	10000	10000	5000	10000	10000	
符合国际和国家标准 Compliance with international and national standards	IEC61051-1 GB/T10193 IEC61051-2 GB/T10194 IEC61051-2-2 GBT10195 CSA-C22.2 UL1449 第三版 The third edition of UL1449		包含左栏，并增加以下标准: Include the left column and add the following criteria: IEC60950-1:2005/Annex Q GB4943.1-2011 GB8898-2011 UL1449 第 4 版 The fourth edition of UL1449		包含左栏，并增加以下标准: Include the left column and add the following criteria: IEC61000-4-5 GB/T17626.5 IEC61643-331 GB/T18802.331		

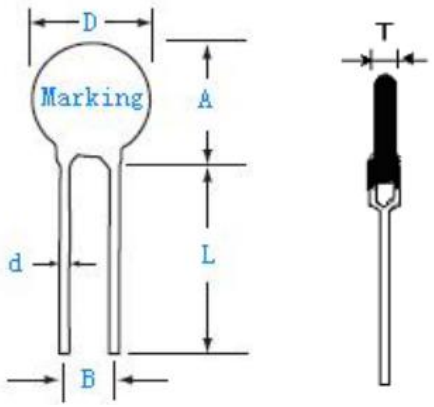
备注:1 上表仅适用于压敏电压 82V 以上规格的产品。2 上表电压冲击 15 次/40 次仅适用于压敏电压 430V 及以上规格的产品。

Remarks：1 The above table is only applicable to products with voltage sensitive voltage of more than 82V.

2The above table voltage shock 15 times/40 times only applies to products with voltage sensitive voltage 430V or above.

产品尺寸 单位（UNIT）:mm

A	B	D	d	L	T（thickness）
Min:33.0mm Max:43.0mm	Min:24.0mm Max:26.0mm	Min:32.0mm Max:35.0mm	Min:1.00mm Max:2.00mm	Min:15.0mm 参考值	Min:6.20mm Max:18.3mm



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32D 系列 电气参数 32D Series Electrical Parameters

型号规格 Part NO	压敏电压 Varistor Voltage		最大允许使用电压 Maximum allowable voltage		最大限制电压 Maximum Limited Voltage	通流容量 Withstanding Surge current（8/20μs）times		静态功率 Rated Wattage	能量耐量 Energy（2ms）		静态电容量（参考值） Typical Capacitance
	0.1mA		AC	DC	Ipp200A	1t	2t	（W）	μS	J	1KHz
	(V)		(V)		(V)	(A)					(PF)
32D201K	200	185-225	130	170	340	25000	20000	1.2	10/1000	250	4.2K
32D221K	220	198-242	140	180	360	25000	20000	1.2	10/1000	270	3.8k
32D241K	240	216-264	150	200	395	25000	20000	1.2	10/1000	290	3.5K
32D271K	270	243-297	175	225	455	25000	20000	1.2	10/1000	300	3.2K
32D301K	300	270-330	190	250	500	25000	20000	1.2	10/1000	330	2.9K
32D331K	330	297-363	210	275	550	25000	20000	1.2	10/1000	360	2.7K
32D361K	360	324-396	230	300	595	25000	20000	1.2	10/1000	380	2.5K
32D391K	390	351-429	250	320	650	25000	20000	1.2	10/1000	400	2.3K
32D431K	430	387-473	275	350	710	25000	20000	1.2	10/1000	430	2.1K
32D471K	470	423-517	300	385	775	25000	20000	1.2	10/1000	460	1.8K
32D511K	510	459-561	320	415	845	25000	20000	1.2	10/1000	510	1.7K
32D561K	560	504-616	350	460	925	25000	20000	1.2	10/1000	540	1.6K
32D621K	620	558-682	385	505	1025	25000	20000	1.2	10/1000	570	1.3K
32D681K	680	612-748	420	560	1120	25000	20000	1.2	10/1000	600	1.2K
32D751K	750	657-825	460	615	1240	25000	20000	1.2	10/1000	620	1.1K
32D781K	780	702-858	485	640	1290	25000	20000	1.2	10/1000	660	1.0K
32D821K	820	738-902	510	670	1355	25000	20000	1.2	10/1000	700	0.96K
32D911K	910	819-1001	550	745	1500	25000	20000	1.2	10/1000	750	0.89K
32D951K	951	855-1045	575	765	1580	25000	20000	1.2	10/1000	780	0.83K
32D102K	1.0K	900-1000	625	825	1650	25000	20000	1.2	10/1000	810	0.83K
32D122K	1.2K	1080-1320	750	980	1980	25000	20000	1.2	10/1000	960	0.76K
32D142K	1.4K	1278-1540	870	1160	2370	25000	20000	1.2	10/1000	1080	0.66K
32D162K	1.6K	1440-1584	1000	1200	2700	25000	20000	1.2	10/1000	1220	0.56K
32D182K	1.8K	1620-1980	1200	1450	2970	25000	20000	1.2	10/1000	1350	0.52K

注：压敏电压测试电流 DC1Ma 工作环境温度：-45℃~ +85℃ 加强型温度：-45℃~ +125℃压敏电压温度变化率：<0.05/℃

Note: Voltage-sensitive voltage test current DC1Ma working environment temperature: - 45 ~85, intensified temperature: - 45 +125, temperature change rate of voltage-sensitive voltage: < 0.05/.

Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

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