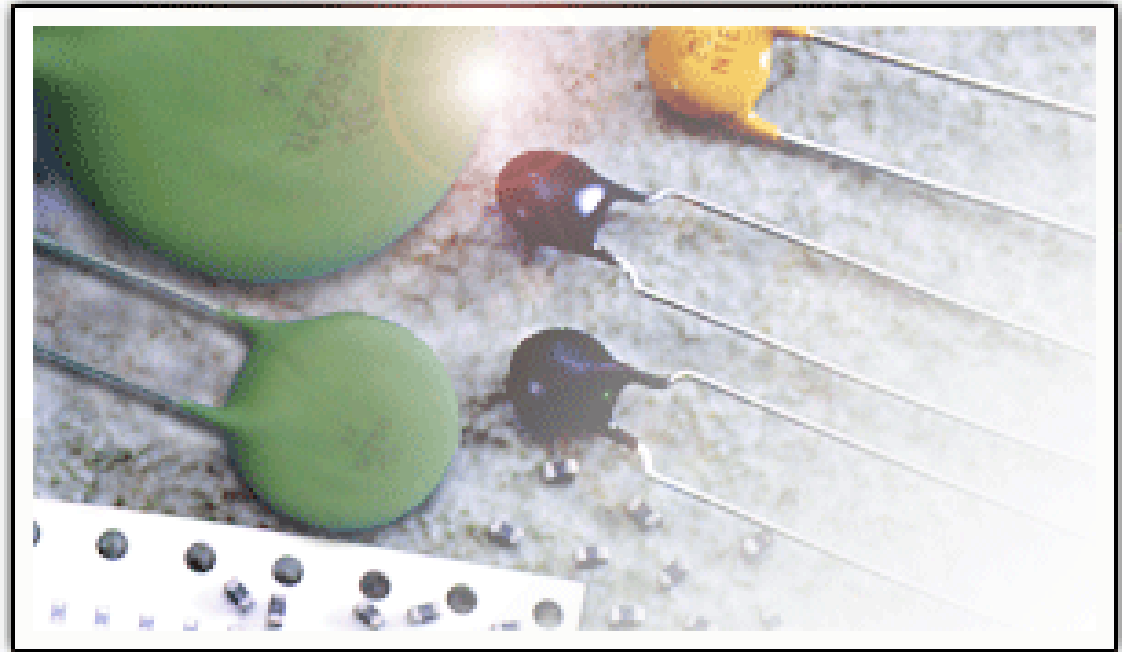


南京富聚科技有限公司

FUJUTEC TECHNOLOGY (HK) Co., LTD.



*Products Catalogue*

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## FUJUTEC TECHNOLOGY 富聚科技

Nanjing FUJUTEC Technology Co., LTD had been established since year of 2004 in china. We are specialized in fuse, resistance and authorized distributor for semiconductor and other product and technology that is connected with import and export for the private sector.

In recent years, relying on the rapid development of global electronic information industry, our company has become from the main sales of a single category of passive electronic protection components to the agent of variety passive components and power semiconductor devices. We promise to provide the service of 'One-stop-shopping' and the best cost performance products through the professional and stringent attitude. We also provide the shortest term of delivery cycle and adequate stocks. Our company has some engineers who major in electric engineering or electronics engineering. They can provide value-added services at technical Support and designing plan. Mature market channels and good corporate reputation can make us have the wide range of customers, which are in the field of Communications, Consumer Electronics, Security, Automotive Electronics and Power Etc.

南京富聚有限公司创立于2004年，专业从事防护类被动电子元器件、功率半导体的代理，并提供驱动电路及系统方案开发设计的高科技企业。

近年来，依托全球信息电子产业的迅猛发展，公司也由成立之初的单一防护类被动电子元器件销售为主，成长为代理多种被动元件及功率半导体器件，并且为客户提供“一站式”采购服务的专业元器件供应商，我们承诺要以专业、严谨的态度，为客户选择性价比最好的产品，提供最短的交货周期与充足的库存，公司拥有数位电子、电力专业资深工程师为客户提供技术支持、方案设计等增值服务。成熟的市场渠道、良好的企业声誉使得我们的客户广泛遍布于通讯、消费电子、安防、汽车电子、电源等领域。“诚信、专业、热忱”是我们的经营理念，为客户提供“一流的品质，优质的服务、合理的价格”是我们的宗旨，我们真诚地希望与国内外的广大合作伙伴携手发展，共创辉煌。

## SUMMARY OF VARISTORS 压敏电阻器介绍

A varistor is an electronic component with a significant non-ohmic current-voltage characteristic. The name is a portmanteau of variable resistor. Varistors are often used to protect circuits against excessive transient voltages by incorporating them into the circuit in such a way that, when triggered, they will shunt the current created by the high voltage away from the sensitive components. A varistor is also known as Voltage Dependent Resistor or VDR. A varistor's function is to conduct significantly increased current when voltage is excessive.

压敏电阻器是一种电压非线性器件，它有对称而陡峭的击穿特性，当很高的瞬时过电压加到电路上时，压敏电阻的阻抗从接近于开路的状态急剧变化到高导通状态，把瞬时过电压抑制到安全电压水平，因而电路中的脆弱的元件受到保护。

## APPLICATION OF VARISTORS 压敏电阻器应用

Wide variety of electronic equipment, for instance AD Board , Cellphone , LCD TV , and so on.

压敏电阻器在电子设备中应用广泛，主要适用于电子 电器设备以及电源的瞬间过电压保护和浪涌吸收，例如 AD 板，移动电话，液晶电视等等。

<b>H</b>	<b>E</b>	<b>L</b>	<b>2</b>	<b>0</b>	<b>D</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>K</b>	<b>*</b>	<b>*</b>	<b>*</b>
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Product Series 产品系列	Element Size 直径	Type 类型	Nominal Voltage at 1mA DC 1mA 直流电流时的电压	Tolerance 容限	Suffixes 添标
<b>HEL:</b> 非线性电阻	05: $\psi$ 5mm 07: $\psi$ 7mm 10: $\psi$ 10mm 14: $\psi$ 14mm 20: $\psi$ 20mm 25: $\psi$ 25mm 32: $\psi$ 32mm 34: 34mm $\times$ 34mm 40: $\psi$ 40mm 53: $\psi$ 53mm 60: 60mm $\times$ 60mm	<b>D:</b> Disk <b>S:</b> Square <b>B:</b> Block	The first two digits are significant figures and the third one denotes the number of zeros following	<b>J:</b> $\pm$ 5% <b>K:</b> $\pm$ 10% <b>L:</b> $\pm$ 15% or customer special requirement	<b>A:</b> F=7.5 <b>4:</b> L=4mm $\pm$ 1mm <b>C:</b> Cimped lead <b>T:</b> Ammo <b>R:</b> Reel

# 7D Series Specification 7D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



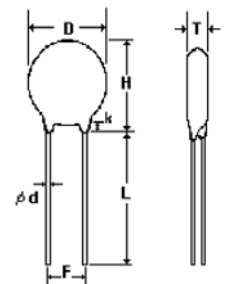
## Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压	Clamping Voltage (Max.) 最大限制电压		Maximum Peak current(8/20μs)(A) 通流容量		Maximum Energy(Joule) 能量耐量		Rated Power 额定功率	Typical Capacitance (Reference) 静电容量参考值
	ACrms(V)	DC(V)	V	VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	2ms	(W)	@1kHz(pF)
07D180K	11	14	18(16~20)	36	2.5	500	250	1.1	0.9	0.02	2600
07D220K	14	18	22(20~24)	43	2.5	500	250	1.3	1.1	0.02	2050
07D270K	17	22	27(24~30)	53	2.5	500	250	1.6	1.4	0.02	1630
07D330K	20	26	33(30~36)	65	2.5	500	250	2.0	1.6	0.02	1460
07D390K	25	31	39(35~43)	77	2.5	500	250	2.4	1.9	0.02	1350
07D470K	30	38	47(42~52)	93	2.5	500	250	2.8	2.3	0.02	1150
07D560K	35	45	56(50~62)	110	2.5	500	250	3.4	2.7	0.02	920
07D680K	40	56	68(61~75)	135	2.5	500	250	4.1	3.3	0.02	1200
07D820K	50	65	82(74~90)	135	10	1750	1250	7.0	5.0	0.25	960
07D101K	60	85	100(90~110)	165	10	1750	1250	8.5	6.0	0.25	810
07D121K	75	100	120(108~132)	200	10	1750	1250	10.0	7.0	0.25	700
07D151K	95	125	150(135~165)	250	10	1750	1250	13.0	9.0	0.25	520
07D181K	115	150	180(162~198)	300	10	1750	1250	16.0	11.5	0.25	210
07D201K	130	170	200(185~225)	340	10	1750	1250	17.5	12.5	0.25	200
07D221K	140	180	220(198~242)	360	10	1750	1250	19.0	13.5	0.25	190
07D241K	150	200	240(216~264)	395	10	1750	1250	21.0	15.0	0.25	170
07D271K	175	225	270(243~297)	455	10	1750	1250	24.0	17.0	0.25	150
07D301K	190	250	300(270~330)	500	10	1750	1250	26.0	18.5	0.25	140
07D331K	210	275	330(297~363)	550	10	1750	1250	28.0	20.0	0.25	130
07D361K	230	300	360(324~396)	595	10	1750	1250	32.0	23.0	0.25	130
07D391K	250	320	390(351~429)	650	10	1750	1250	35.0	25.0	0.25	130
07D431K	275	350	430(387~473)	710	10	1750	1250	40.0	27.5	0.25	120
07D471K	300	385	470(423~517)	775	10	1750	1250	42.0	30.0	0.25	100

## Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	Φd	L (min.)	k (max.)
9.0	12.0	4.7	5.0±1.0	0.6±0.1	25.0	3.0

Remark: Free sample are available request. 可以获得免费样品。



# 10D Series Specification 10D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



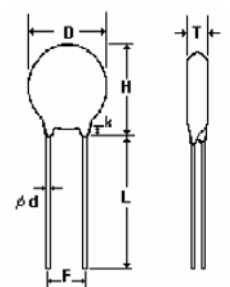
### Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 最大限制电压		Maximum Peak current(8/20μs)(A) 通流容量		Maximum Energy(Joule) 能量耐量		Rated Power 额定功率 (W)	Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)		VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	2ms		
10D180K	11	14	18(16~20)	36	5	1000	500	2.6	2.2	0.05	5200
10D220K	14	18	22(20~24)	43	5	1000	500	3.2	2.6	0.05	4150
10D270K	17	22	27(24~30)	53	5	1000	500	3.9	3.2	0.05	3450
10D330K	20	26	33(30~36)	65	5	1000	500	4.8	4.0	0.05	3110
10D390K	25	31	39(35~43)	77	5	1000	500	5.6	4.7	0.05	2630
10D470K	30	38	47(42~52)	93	5	1000	500	6.8	5.6	0.05	2140
10D560K	35	45	56(50~62)	110	5	1000	500	8.1	6.7	0.05	1820
10D680K	40	56	68(61~75)	135	5	1000	500	9.8	8.2	0.05	2580
10D820K	50	65	82(74~90)	135	25	3500	2500	14.0	10.0	0.4	2100
10D101K	60	85	100(90~110)	165	25	3500	2500	17.0	12.0	0.4	1880
10D121K	75	100	120(108~132)	200	25	3500	2500	20.0	14.5	0.4	1530
10D151K	95	125	150(135~165)	250	25	3500	2500	25.0	18.0	0.4	1100
10D181K	115	150	180(162~198)	300	25	3500	2500	32.0	21.0	0.4	450
10D201K	130	170	200(185~225)	340	25	3500	2500	35.0	25.0	0.4	430
10D221K	140	180	220(198~242)	360	25	3500	2500	39.0	27.5	0.4	410
10D241K	150	200	240(216~264)	395	25	3500	2500	42.0	30.0	0.4	380
10D271K	175	225	270(243~297)	455	25	3500	2500	49.0	35.0	0.4	350
10D301K	190	250	300(270~330)	500	25	3500	2500	54.0	38.0	0.4	320
10D331K	210	275	330(297~363)	550	25	3500	2500	58.0	42.0	0.4	300
10D361K	230	300	360(324~396)	595	25	3500	2500	65.0	45.0	0.4	300
10D391K	250	320	390(351~429)	650	25	3500	2500	70.0	50.0	0.4	300
10D431K	275	350	430(387~473)	710	25	3500	2500	80.0	55.0	0.4	270
10D471K	300	385	470(423~517)	775	25	3500	2500	85.0	60.0	0.4	230
10D511K	320	415	510(459~561)	845	25	3500	2500	92.0	67.0	0.4	210
10D561K	350	460	560(504~616)	925	25	3500	2500	92.0	67.0	0.4	200
10D621K	385	505	620(558~682)	1025	25	3500	2500	92.0	67.0	0.4	190
10D681K	420	560	680(612~748)	1120	25	3500	2500	92.0	67.0	0.4	170
10D751K	460	615	750(675~825)	1240	25	3500	2500	100.0	70.0	0.4	160
10D781K	485	640	780(702~858)	1290	25	3500	2500	105.0	75.0	0.4	150
10D821K	510	670	820(738~902)	1355	25	3500	2500	110.0	80.0	0.4	140
10D911K	550	745	910(819~1001)	1500	25	3500	2500	130.0	90.0	0.4	120
10D102K	625	825	1000(900~1100)	1650	25	3500	2500	140.0	100	0.4	110
10D112K	680	895	1100(990~1210)	1815	25	3500	2500	155.0	110	0.4	110
10D182K	1000	1465	1800(1700~1980)	2970	25	3500	2500	247.0	183	0.4	70

### Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	Φd	L (min.)	k (max.)
12.5	16.5	11.2	7.5±1.0	0.8±0.1	25.0	3.0

Remark: Free sample are available request. 可以获得免费样品。



# 14D Series Specification 14D 系列



## Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



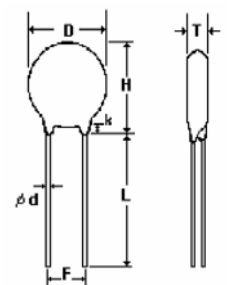
## Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 最大限制电压		Maximum Peak current(8/20μs)(A) 通流容量		Maximum Energy(Joule) 能量耐量		Rated Power 额定功率 (W)	Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)		VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	2ms		
14D180K	11	14	18(16~20)	36	10	2000	1000	5.2	4.3	0.1	13000
14D220K	14	18	22(20~24)	43	10	2000	1000	6.3	5.3	0.1	10500
14D270K	17	22	27(24~30)	53	10	2000	1000	7.8	6.5	0.1	8600
14D330K	20	26	33(30~36)	65	10	2000	1000	9.5	7.9	0.1	7500
14D390K	25	31	39(35~43)	77	10	2000	1000	11.0	9.4	0.1	6500
14D470K	30	38	47(42~52)	93	10	2000	1000	14.0	11.0	0.1	5500
14D560K	35	45	56(50~62)	110	10	2000	1000	16.0	13.0	0.1	4500
14D680K	40	56	68(61~75)	135	10	2000	1000	20.0	16.0	0.1	5280
14D820K	50	65	82(74~90)	135	50	6000	4500	28.0	20.0	0.6	4350
14D101K	60	85	100(90~110)	165	50	6000	4500	35.0	25.0	0.6	3500
14D121K	75	100	120(108~132)	200	50	6000	4500	42.0	30.0	0.6	2830
14D151K	95	125	150(135~165)	250	50	6000	4500	53.0	37.5	0.6	2600
14D181K	115	150	180(162~198)	300	50	6000	4500	65.0	45	0.6	800
14D201K	130	170	200(185~225)	340	50	6000	4500	70.0	50	0.6	770
14D221K	140	180	220(198~242)	360	50	6000	4500	78.0	55	0.6	740
14D241K	150	200	240(216~264)	395	50	6000	4500	84.0	60	0.6	700
14D271K	175	225	270(243~297)	455	50	6000	4500	99.0	70	0.6	640
14D301K	190	250	300(270~330)	500	50	6000	4500	105.0	75	0.6	610
14D331K	210	275	330(297~363)	550	50	6000	4500	115.0	80	0.6	580
14D361K	230	300	360(324~396)	595	50	6000	4500	130.0	90	0.6	540
14D391K	250	320	390(351~429)	650	50	6000	4500	140.0	100	0.6	500
14D431K	275	350	430(387~473)	710	50	6000	4500	155.0	110	0.6	450
14D471K	300	385	470(423~517)	775	50	6000	4500	175.0	125	0.6	400
14D511K	320	415	510(459~561)	845	50	6000	4500	190.0	136	0.6	350
14D561K	350	460	560(504~616)	925	50	5000	4500	190.0	136	0.6	340
14D621K	385	505	620(558~682)	1025	50	5000	4500	190.0	136	0.6	330
14D681K	420	560	680(612~748)	1120	50	5000	4500	190.0	136	0.6	320
14D751K	460	615	750(675~825)	1240	50	5000	4500	210.0	150	0.6	310
14D781K	485	640	780(702~858)	1290	50	5000	4500	225.0	160	0.6	290
14D821K	510	670	820(738~902)	1355	50	5000	4500	235.0	165	0.6	280
14D911K	550	745	910(819~1001)	1500	50	5000	4500	255.0	180	0.6	250
14D102K	625	825	1000(900~1100)	1650	50	5000	4500	280.0	200	0.6	230
14D112K	680	895	1100(990~1210)	1815	50	5000	4500	310.0	220	0.6	210
14D182K	1000	1465	1800(1700~1980)	2970	50	5000	4500	510.0	360	0.6	120

## Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	Φd	L (min.)	k (max.)
16.5	20.0	11.4	7.5±1.0	0.8±0.1	25.0	3.0

Remark: Free sample are available request. 可以获得免费样品。



# 20D Series Specification 20D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE

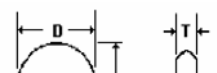


## Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 最大限制电压		Maximum Peak current(8/20μs)(A) 通流容量		Maximum Energy(Joule) 能量耐量		Rated Power 额定功率 (W)	Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)		VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	2ms		
20D180K	11	14	18(16~20)	36	20	3000	2000	13.0	12.0	0.2	27000
20D220K	14	18	22(20~24)	43	20	3000	2000	16.0	14.0	0.2	21000
20D270K	17	22	27(24~30)	53	20	3000	2000	19.0	17.0	0.2	17500
20D330K	20	26	33(30~36)	65	20	3000	2000	24.0	21.0	0.2	15000
20D390K	25	31	39(35~43)	77	20	3000	2000	28.0	25.0	0.2	13000
20D470K	30	38	47(42~52)	93	20	3000	2000	34.0	30.0	0.2	11000
20D560K	35	45	56(50~62)	110	20	3000	2000	41.0	36.0	0.2	11200
20D680K	40	56	68(61~75)	135	20	3000	2000	49.0	44.0	0.2	8250
20D820K	50	65	82(74~90)	135	100	10000	6500	56.0	40.0	1.0	8000
20D101K	60	85	100(90~110)	165	100	10000	6500	70.0	50.0	1.0	6200
20D121K	75	100	120(108~132)	200	100	10000	6500	85.0	60.0	1.0	5280
20D151K	95	125	150(135~165)	250	100	10000	6500	106.0	75.0	1.0	1800
20D181K	115	150	180(162~198)	300	100	10000	6500	130.0	90.0	1.0	1700
20D201K	130	170	200(185~225)	340	100	10000	6500	140.0	100	1.0	1600
20D221K	140	180	220(198~242)	360	100	10000	6500	155.0	110	1.0	1500
20D241K	150	200	240(216~264)	395	100	10000	6500	168.0	120	1.0	1300
20D271K	175	225	270(243~297)	455	100	10000	6500	190.0	135	1.0	1200
20D301K	190	250	300(270~330)	500	100	10000	6500	210.0	150	1.0	1100
20D331K	210	275	330(297~363)	550	100	10000	6500	228.0	160	1.0	1100
20D361K	230	300	360(324~396)	595	100	10000	6500	255.0	180	1.0	1050
20D391K	250	320	390(351~429)	650	100	10000	6500	275.0	195	1.0	1050
20D431K	275	350	430(387~473)	710	100	10000	6500	303.0	215	1.0	1000
20D471K	300	385	470(423~517)	775	100	10000	6500	350.0	250	1.0	900
20D511K	320	415	510(459~561)	845	100	10000	6500	382.0	273	1.0	800
20D561K	350	460	560(504~616)	925	100	7500	6500	382.0	273	1.0	750
20D621K	385	505	620(558~682)	1025	100	7500	6500	382.0	273	1.0	700
20D681K	420	560	680(612~748)	1120	100	7500	6500	382.0	273	1.0	650
20D751K	460	615	750(675~825)	1240	100	7500	6500	420.0	300	1.0	600
20D781K	485	640	780(702~858)	1290	100	7500	6500	440.0	310	1.0	560
20D821K	510	670	820(738~902)	1355	100	7500	6500	460.0	325	1.0	530
20D911K	550	745	910(819~1001)	1500	100	7500	6500	510.0	360	1.0	500
20D102K	625	825	1000(900~1100)	1650	100	7500	6500	565.0	400	1.0	450
20D112K	680	895	1100(990~1210)	1815	100	7500	6500	620.0	440	1.0	400
20D182K	1000	1465	1800(1700~1980)	2970	100	7500	6500	1020.0	720	1.0	250

## Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	Φd	L (min.)	k (max.)
23.0	26.5	11.7	10.0±1.0	1.0±0.1	25.0	3.0





Remark: Free sample are available request. 可以获得免费样品。



## 25D Series Specification 25D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



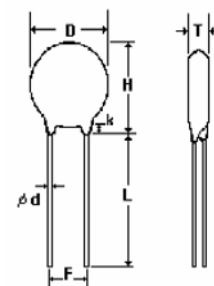
### Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 通流容量 VC(V) Ip(A)		Maximum Peak current(8/20μs)(A) 能量耐量 1 Time 2 Times		Maximum Energy(Joule) 额定功率 10/1000μs 2ms		Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)								
25D201K	130	170	200(185~225)	340	150	20000	14000	140.0	125.0	3400
25D241K	150	200	240(216~264)	395	150	20000	14000	168.0	145	3000
25D271K	175	225	270(243~297)	455	150	20000	14000	190.0	170	2200
25D361K	230	300	360(324~396)	595	150	20000	14000	225.0	190	1900
25D391K	250	320	390(351~429)	650	150	20000	14000	275.0	210	1800
25D431K	275	350	430(387~473)	710	150	20000	14000	303.0	225	1500
25D471K	300	385	470(423~517)	775	150	20000	14000	350.0	225	1500
25D511K	320	415	510(459~561)	845	150	20000	14000	382.0	225	1400
25D621K	385	505	620(558~682)	1025	150	20000	14000	382.0	230	1300
25D681K	420	560	680(612~748)	1120	150	20000	14000	382.0	250	1250
25D751K	460	615	750(675~825)	1240	150	20000	14000	420.0	275	1200
25D781K	485	640	780(702~858)	1290	150	20000	14000	440.0	290	1200
25D821K	510	670	820(738~902)	1355	150	20000	14000	460.0	300	1100
25D911K	550	745	910(819~1001)	1500	150	20000	14000	510.0	340	1000
25D102K	625	825	1000(900~1100)	1650	150	20000	14000	565.0	375	500
25D112K	680	895	1100(990~1210)	1815	150	20000	14000	620.0	390	400
25D122K	750	980	1200(1080~1320)	2000	150	20000	14000	1020.0	400	350

### Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	Φd	L (min.)	k (max.)
27.5	31.0	11.5	12.7±1.0	1.0±0.1	10.0	3.0

Remark: Free sample are available request. 可以获得免费样品。



# 32D Series Specification 32D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



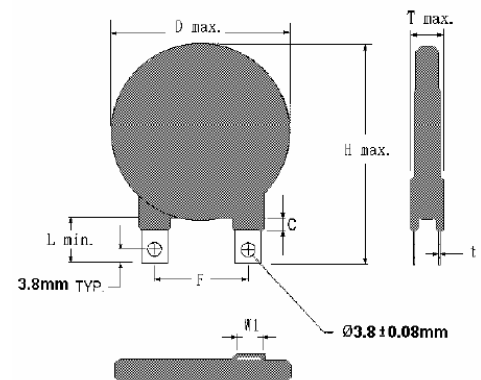
### Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 通流容量 VC(V)    Ip(A)		Maximum Peak current(8/20μs)(A) 能量耐量 1 Time    2 Times		Maximum Energy(Joule) 额定功率 10/1000μs    2ms		Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)								
32D201K	130	170	200(185~225)	340	200	25000	20000	250	210	5500
32D241K	150	200	240(216~264)	395	200	25000	20000	290	240	5000
32D271K	175	225	270(243~297)	455	200	25000	20000	300	255	4200
32D331K	210	275	330(297~363)	550	200	25000	20000	360	300	3500
32D361K	230	300	360(324~396)	595	200	25000	20000	380	325	3000
32D391K	250	320	390(351~429)	650	200	25000	20000	395	350	2500
32D431K	275	350	430(387~473)	710	200	25000	20000	440	400	3000
32D471K	300	385	470(423~517)	775	200	25000	20000	480	405	2500
32D511K	320	415	510(459~561)	845	200	25000	20000	510	405	2500
32D621K	385	505	620(558~682)	1025	200	25000	20000	580	415	2400
32D681K	420	560	680(612~748)	1120	200	25000	20000	600	450	2200
32D751K	460	615	750(675~825)	1240	200	25000	20000	625	500	2100
32D781K	485	640	780(702~858)	1290	200	25000	20000	650	520	2000
32D821K	510	670	820(738~902)	1355	200	25000	20000	720	545	1900
32D911K	550	745	910(819~1001)	1500	200	25000	20000	760	600	1800
32D951K	575	765	950(855~1045)	1570	200	25000	20000	800	600	1700
32D102K	625	825	1000(900~1100)	1650	200	25000	20000	815	620	1000
32D112K	680	895	1100(990~1210)	1815	200	25000	20000	880	650	800

### Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	T	L (min.)	C (max.)	W1 (max.)
38.0	56.3	11.8	25.4±0.5	0.5±0.1	16.5	3.0	7.0

Remark: Free sample are available request. 可以获得免费样品。



# 34S Series Specification 34S 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



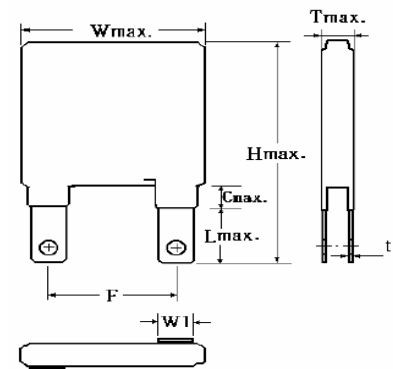
## Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 通流容量 VC(V) Ip(A)		Maximum Peak current(8/20µs)(A) 能量耐量 1 Time 2 Times		Maximum Energy(Joule) 额定功率 10/1000µs	Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)		VC(V)	Ip(A)	1 Time	2 Times		
34S201K	130	170	200(185~225)	340	300	40000	30000	310	6800
34S221K	140	180	220(198~242)	360	300	40000	30000	330	6200
34S241K	150	200	240(216~264)	395	300	40000	30000	360	5700
34S271K	175	225	270(243~297)	455	300	40000	30000	390	5000
34S331K	210	275	330(297~363)	550	300	40000	30000	410	4100
34S361K	230	300	360(324~396)	595	300	40000	30000	460	3800
34S391K	250	320	390(351~429)	650	300	40000	30000	490	3500
34S431K	275	350	430(387~473)	710	300	40000	30000	550	3200
34S471K	300	385	470(423~517)	775	300	40000	30000	600	2900
34S511K	320	415	510(459~561)	845	300	40000	30000	640	2700
34S561K	350	460	560(504~616)	920	300	40000	30000	710	2400
34S621K	385	505	620(558~682)	1025	300	40000	30000	800	2200
34S681K	420	560	680(612~748)	1120	300	40000	30000	910	2000
34S751K	460	615	750(675~825)	1240	300	40000	30000	980	1800
34S781K	485	640	780(702~858)	1290	300	40000	30000	1020	1750
34S821K	510	670	820(738~902)	1355	300	40000	30000	1100	1650
34S911K	550	745	910(819~1001)	1500	300	40000	30000	1150	1500
34S951K	575	765	950(855~1045)	1570	300	40000	30000	1200	1430
34S102K	625	825	1000(900~1100)	1650	300	40000	30000	1250	1360
34S112K	680	895	1100(990~1210)	1815	300	40000	30000	1350	1250

## Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	T	L (min.)	C(max.)	W1(max.)
44.0	56.6	11.8	25.4±0.5	0.5±0.1	16.5	3.18	7.0

Remark: Free sample are available request. 可以获得免费样品。





# 40D Series Specification 40D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



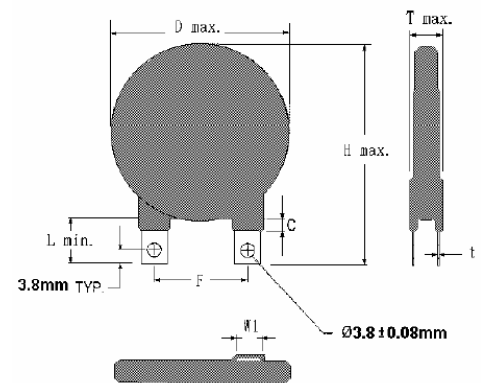
### Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压 V	Clamping Voltage (Max.) 通流容量 VC(V) Ip(A)		Maximum Peak current(8/20μs)(A) 能量耐量 1 Time 2 Times		Maximum Energy(Joule) 额定功率 10/1000μs 2ms		Typical Capacitance (Reference) 静电容量参考值 @1kHz(pF)
	ACrms(V)	DC(V)		VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	2ms	
40D201K	130	170	200(185~225)	340	250	40000	25000	310	260	8400
40D241K	150	200	240(216~264)	395	250	40000	25000	360	300	8000
40D271K	175	225	270(243~297)	455	250	40000	25000	390	340	7600
40D331K	210	275	330(297~363)	550	250	40000	25000	410	380	6700
40D361K	230	300	360(324~396)	595	250	40000	25000	460	405	6200
40D391K	250	320	390(351~429)	650	250	40000	25000	490	435	5100
40D431K	275	350	430(387~473)	710	250	40000	25000	550	500	4900
40D471K	300	385	470(423~517)	775	250	40000	25000	600	505	4300
40D511K	320	415	510(459~561)	845	250	40000	25000	640	505	4200
40D621K	385	505	620(558~682)	1025	250	40000	25000	720	515	3800
40D681K	420	560	680(612~748)	1120	250	40000	25000	750	560	3500
40D751K	460	615	750(675~825)	1240	250	40000	25000	780	625	3200
40D781K	485	640	780(702~858)	1290	250	40000	25000	820	650	3000
40D821K	510	670	820(738~902)	1355	250	40000	25000	900	680	2900
40D911K	550	745	910(819~1001)	1500	250	40000	25000	960	750	2200
40D951K	575	765	950(855~1045)	1570	250	40000	25000	1000	750	2000
40D102K	625	825	1000(900~1100)	1650	250	40000	25000	1055	800	1800
40D112K	680	895	1100(990~1210)	1815	250	40000	25000	1155	850	1600

### Physical Dimensions (mm) 外形尺寸

D(max.)	H(max.)	T(max.)	F	T	L(min.)	C(max.)	W1(max.)
48.0	60.2	11.8	25.4±0.5	0.5±0.1	16.5	3.18	7.0

Remark: Free sample are available request. 可以获得免费样品。



# 53D Series Specification 53D 系列



### Application:

Wide variety of electronic equipment

**Temperature Range:** -40°C to 85°C

**Agency Recognition:** UL,CUL,CSA,VDE

**应用:** 产品在电子器件中应用广泛。

**温度范围:** -40°C to 85°C

**认证:** UL,CUL,CSA,VDE



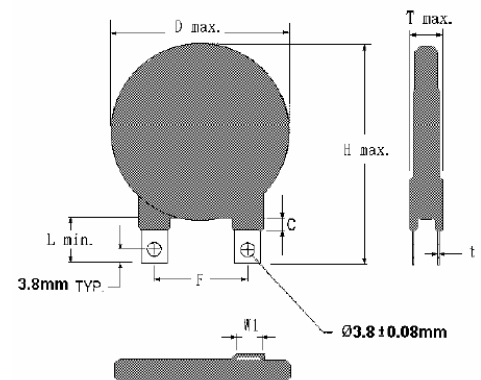
## Electrical Characteristics 电气特性

Part Number 尺寸代号	Maximum Allowable Voltage 最大连续电压		Varistor Voltage 压敏电压	Clamping Voltage (Max.) 通流容量		Maximum Peak current(8/20μs)(A) 能量耐量		Maximum Energy(Joule) 额定功率	Typical Capacitance (Reference) 静电容量参考值
	ACrms(V)	DC(V)	V	VC(V)	Ip(A)	1 Time	2 Times	10/1000μs	@1kHz(pF)
53D201K	130	170	200(185~225)	340	500	70000	50000	490	15000
53D241K	150	200	240(216~264)	395	500	70000	50000	570	12500
53D271K	175	225	270(243~297)	455	500	70000	50000	630	11000
53D331K	210	275	330(297~363)	550	500	70000	50000	680	9000
53D361K	230	300	360(324~396)	595	500	70000	50000	730	8500
53D391K	250	320	390(351~429)	650	500	70000	50000	880	7500
53D431K	275	350	430(387~473)	710	500	70000	50000	950	7000
53D471K	300	385	470(423~517)	775	500	70000	50000	1000	6500
53D511K	320	415	510(459~561)	845	500	70000	50000	1100	6000
53D621K	385	505	620(558~682)	1025	500	70000	50000	1300	5000
53D681K	420	560	680(612~748)	1120	500	70000	50000	1500	4500
53D751K	460	615	750(675~825)	1240	500	70000	50000	1600	4000
53D781K	485	640	780(702~858)	1290	500	70000	50000	1650	3900
53D821K	510	670	820(738~902)	1355	500	70000	50000	1800	3700
53D911K	550	745	910(819~1001)	1500	500	70000	50000	2000	3300
53D951K	575	765	950(855~1045)	1570	500	70000	50000	2100	3200
53D102K	625	825	1000(900~1100)	1650	500	70000	50000	2200	3000
53D112K	680	895	1100(990~1210)	1815	500	70000	50000	2500	2700

## Physical Dimensions (mm) 外形尺寸

D (max.)	H (max.)	T (max.)	F	T	L (min.)	C(max.)	W1(max.)
65.0	78.2	11.9	25.4±0.5	0.5±0.1	16.5	3.18	7.0

Remark: Free sample are available request. 可以获得免费样品。



## ELECTRICAL CHARACTERISTICS 电气特性

ITEM 条目	TEST METHODS 测试方式
Standard Conditions: 标准环境:	Unless otherwise specified, all tests are made under environmental conditions as given below除了特殊情况，所有测试都在通常环境情况进行: Temperature温度: 5~35°C Relative humidity相对湿度: 45~85 % RH
Maximum Allowable Voltage 最大连续工作电压	Maximum continuous sine wave(RMS) or DC voltage which may be applied. 可连续加于压敏电阻器上而不致使压敏电阻器产生劣化情况的最大工作电压，包括V <sub>DC</sub> /V <sub>AC</sub> 两种情况。
Varistor Voltage 压敏电压	Voltage across the varistor measured at C <sub>mA</sub> DC. 特定的电流流经压敏电阻器时，在压敏电阻器两端所测得的电压值。
Varistor Voltage Temperature Coefficient 压敏电压温度系数	
Max. Clamping Voltage 通流容量	Peak voltage across the varistor with a specified peak impulse current of 8/20μs waveform. 以特定的脉冲电流（8/20μs 波形）加在压敏电阻器上，在压敏电阻器上所得到的最大电压。
Rated Power 额定功率	Maximum 50~60Hz power which may be loaded for 1,000 hrs at 85±2°C with ΔV <sub>C<sub>mA</sub></sub> / V <sub>C<sub>mA</sub></sub> ≤±10%. 在特定的环境温度85°C下工作1000 小时，使压敏电压变化小于10%的最大功率。
Withstanding Surge Current	The max. current within the varistor voltage change of less than ±10% when one impulse current (8/20μs) applied. 以特定的脉冲电流（8/20μs波形）冲击压敏电阻器一次，使得压敏电压变化仍在±10%以内的最大冲击电流。
	The max. current with a varistor voltage change of less than ±10% when two times impulse current (8/20μs) are applied at intervals of 5 minutes. 以特定的脉冲电流（8/20μs波形）冲击压敏电阻器两次（每次间隔5 分钟），使得压敏电压变化仍在±10%以内的最大冲击电流。
Energy 最大能量	The max. energy absorbed with a varistor voltage change of less than ±10% when one impulse (10/1000μs) is applied. 在特定的环境温度85°C下工作1000 小时，使压敏电压变化小于10%的最大功率。
Surge Life	The max. current with a varistor voltage change of less than ±10% when 10,000 times impulse current (8/20μs) are applied at intervals of 20 seconds at room temperature. 在室温以特定的脉冲电流（8/20μs波形）冲击压敏电阻器10000次（每次间隔20秒），使得压敏电压变化仍在±10%以内的最大冲击电流。