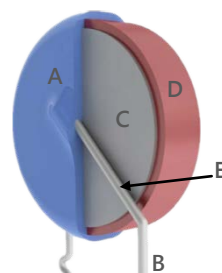


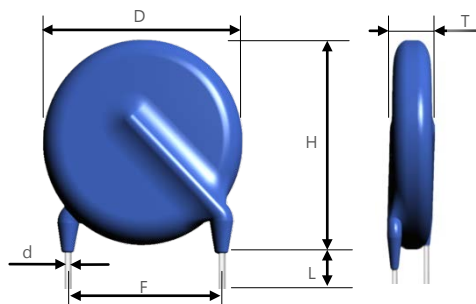
# 05D~32D Series 高能型氧化鋅壓敏電阻器 High Surge Type Metal Oxide Varistor



## ■結構圖 Construction

- A 絕緣層 Insulation Coating
- B 引線 Lead Wire
- C 電極 Electrode
- D 氧化鋅元件 Zinc Oxide
- E 焊料 Solder

## ■尺寸代碼 Dimensions Code



## ■特性 | Feature

最大通流等級可達 30KA  
最大"能量處理能力"以緊湊尺寸吸收瞬態過電壓  
壓敏電壓相容範圍廣  
High surge current rating up to 30KA  
Large "Energy Handling Capability" absorbing transient over voltages in compact sizes  
Wide range of varistor voltages

## ■推薦應用領域 | Typical Application

用於保護半導體元件 (二極體,三極管,可控矽,IC 等)  
用於保護民用電子設備  
用於保護通信,計測,控制裝置  
Transistor, diode, IC, thyristor or triac semiconductor protection  
Surge protection in consumer electronic equipment  
Surge protection in communication, measuring or controller electronics



耐浪湧電流 Withstanding Surge Current								
系列/型式等級 Class	Series/Type	05D	07D	10D	14D	20D	25D	32D
Class-J1		800A	1750A	3500A	6000A	10000A	15000A	20000A
Class-J2				4000A	7000A	12000A	18000A	25000A
Class-J3				4500A	8000A	15000A	20000A	30000A

系列別 Series	可容許之最大電壓 Maximun Allowable Voltage		壓敏電壓 Varistor Voltage			最大抑制電壓 Maximun Clamping Voltage	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
05D~32D	11~1000	14~1465	15~1620	18~1800	21~1980	38~2970	1~150

工作/儲存溫度範圍 Operating /Storage Temperature      -40°C ~ +85°C/-40°C ~ +125°C

## ■認證標準及編號 Approvals Standard And File No.

相關標準 Related Standard		證書號 Certificate No.	產品型號 Part No.	認證標示 Approved Monogram
CQC (China)	GB/T10193;GB/T10194 GB4943.1;GB8898	CQC16001150315 / CQC16001150310 CQC16001150287 / CQC16001150288 CQC16001150285	05D180L~20D182K	
UL (USA)	UL1449	E486000	05D180L~32D182K	
CSA(Canada)	UL1449	E486000	07D180L~32D182K	
VDE (Germany)	IEC61051 IEC60950-1	40044685	05D180L~20D911K	

# 05D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■電氣特性 Electrical Characteristics

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
05D180L	11	14	0.6	250	125	0.01	18(15-21)	38	1400
05D220K	14	18	0.7	250	125	0.01	22(20-24)	43	1150
05D270K	17	22	0.9	250	125	0.01	27(24-30)	53	930
05D330K	20	26	1.1	250	125	0.01	33(30-36)	65	760
05D390K	25	31	1.2	250	125	0.01	39(35-43)	77	640
05D470K	30	38	1.5	250	125	0.01	47(42-52)	93	530
05D560K	35	45	1.8	250	125	0.01	56(50-62)	110	450
05D680K	40	56	2.2	250	125	0.01	68(61-75)	135	370

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
05D820K	50	65	3.8	800	600	0.1	82(74-90)	135	300
05D101K	60	85	4.0	800	600	0.1	100(90-110)	165	250
05D121K	75	100	5.0	800	600	0.1	120(108-132)	200	210
05D151K	95	125	7.0	800	600	0.1	150(135-165)	250	165
05D181K	115	150	8.0	800	600	0.1	180(162-198)	300	140
05D201K	130	170	8.7	800	600	0.1	200(185-225)	330	125
05D221K	140	180	9.0	800	600	0.1	220(198-242)	360	110
05D241K	150	200	11.0	800	600	0.1	240(216-264)	395	110
05D271K	175	225	13.0	800	600	0.1	270(243-297)	455	95
05D301K	190	250	14.0	800	600	0.1	300(270-330)	505	85
05D331K	210	275	14.5	800	600	0.1	330(297-363)	550	75
05D361K	230	300	16.0	800	600	0.1	360(324-396)	595	70
05D391K	250	320	17.0	800	600	0.1	390(351-429)	650	65
05D431K	275	350	20.0	800	600	0.1	430(387-473)	710	60
05D471K	300	385	20.8	800	600	0.1	470(423-517)	775	55
05D511K	320	415	21.0	800	600	0.1	510(459-561)	845	50
05D561K	350	460	23.0	800	600	0.1	560(504-616)	920	45
05D621K	385	505	25.0	800	600	0.1	620(558-682)	1025	40
05D681K	420	560	29.0	800	600	0.1	680(612-748)	1120	35
05D751K	460	615	32.0	800	600	0.1	750(675-825)	1240	30

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

Note: As space is limited, the detailed class J2/J3 /25D series /32D series won't be described here, Contact us for further information.

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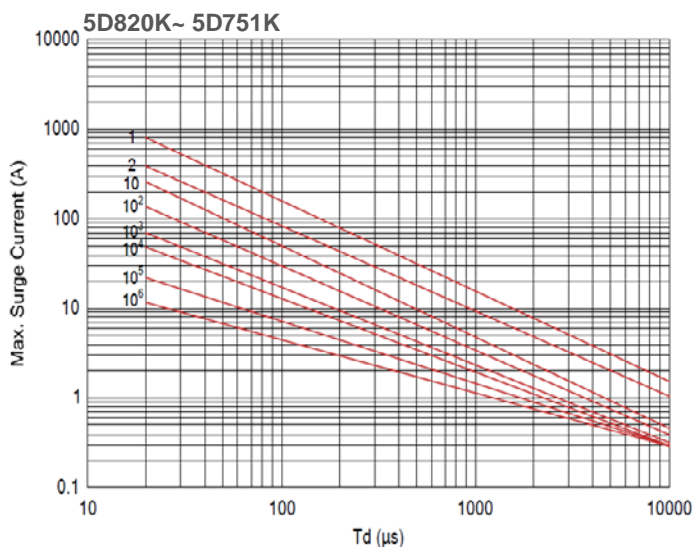
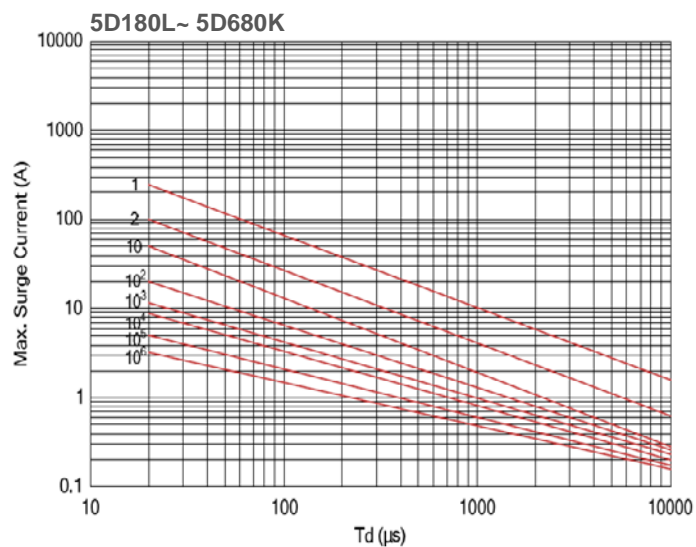
# 05D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



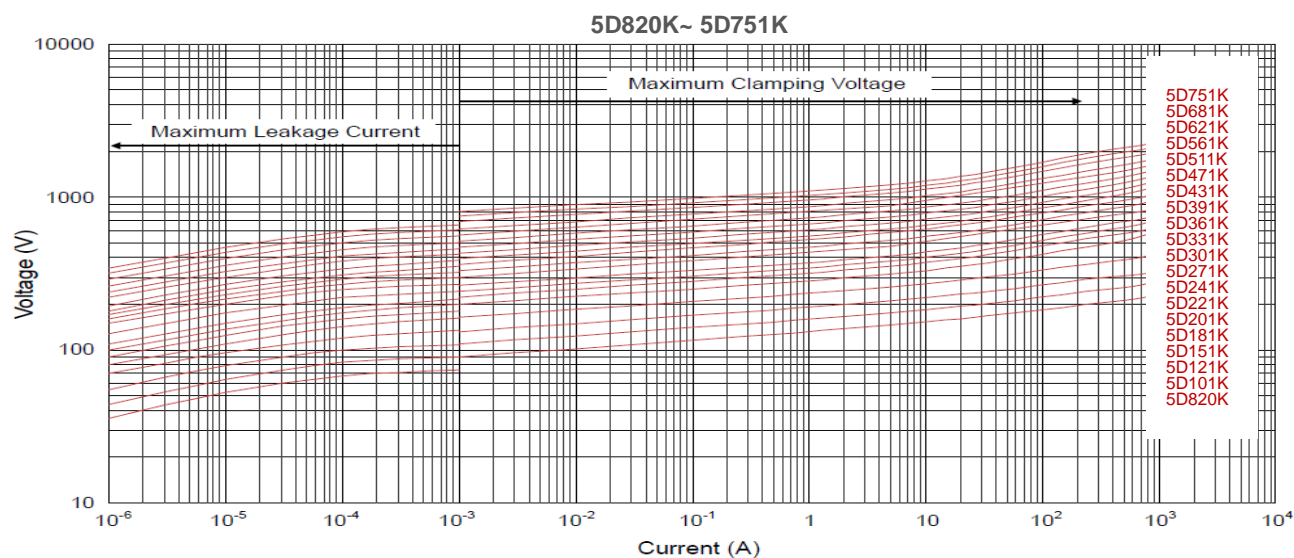
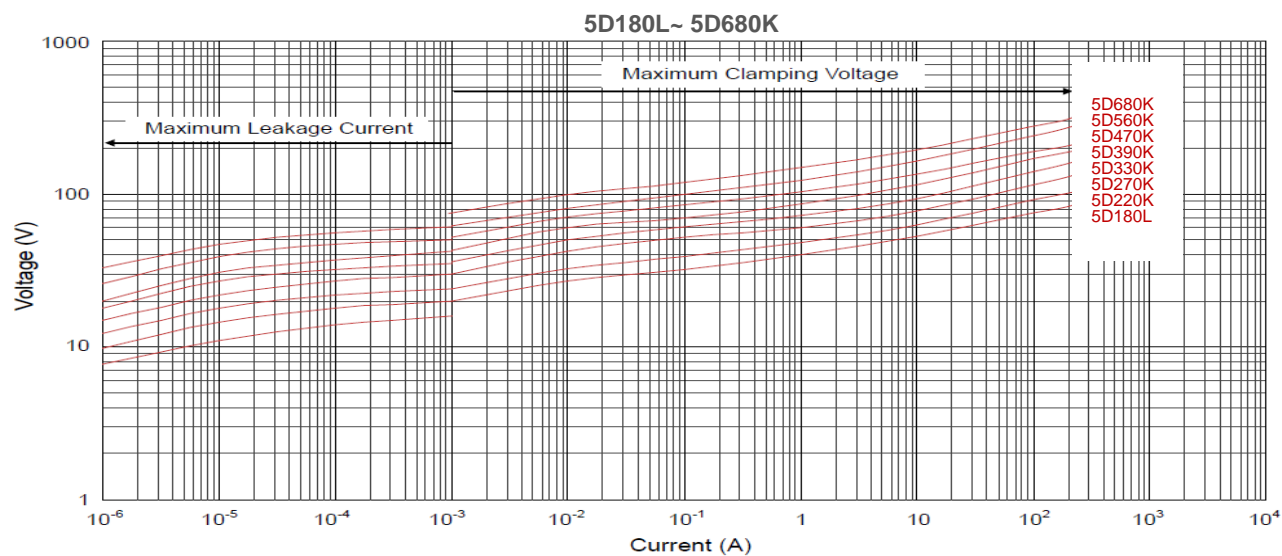
### ■最大冲击电流减额曲线

Maximum Surge Current Derating Curve



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

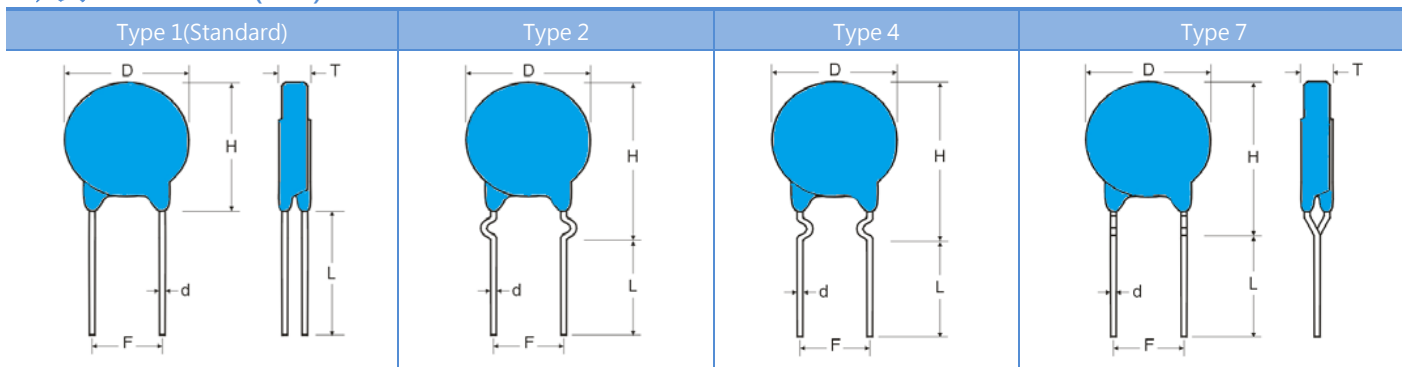


# 05D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■尺寸 Dimensions(mm)



產品型號 Part No.	D Max.	H Max.		L min.	F ±0.8	d ±0.05	T Max.
		Type 1	Type 2 / 4 / 7				
05D751K	7.0	9.0	12.0	20.0	5.0	0.6	6.5
05D681K	7.0	9.0	12.0	20.0	5.0	0.6	6.4
05D621K	7.0	9.0	12.0	20.0	5.0	0.6	6.4
05D561K	7.0	9.0	12.0	20.0	5.0	0.6	6.2
05D511K	7.0	9.0	12.0	20.0	5.0	0.6	5.8
05D471K	7.0	9.0	12.0	20.0	5.0	0.6	5.6
05D431K	7.0	9.0	12.0	20.0	5.0	0.6	5.3
05D391K	7.0	9.0	12.0	20.0	5.0	0.6	5.1
05D361K	7.0	9.0	12.0	20.0	5.0	0.6	5.0
05D331K	7.0	9.0	12.0	20.0	5.0	0.6	4.8
05D301K	7.0	9.0	12.0	20.0	5.0	0.6	4.7
05D271K	7.0	9.0	12.0	20.0	5.0	0.6	4.5
05D241K	7.0	9.0	12.0	20.0	5.0	0.6	4.3
05D221K	7.0	9.0	12.0	20.0	5.0	0.6	4.2
05D201K	7.0	9.0	12.0	20.0	5.0	0.6	4.1
05D181K	7.0	9.0	12.0	20.0	5.0	0.6	4.1
05D151K	7.0	9.0	12.0	20.0	5.0	0.6	4.8
05D121K	7.0	9.0	12.0	20.0	5.0	0.6	4.5
05D101K	7.0	9.0	12.0	20.0	5.0	0.6	4.3
05D820K	7.0	9.0	12.0	20.0	5.0	0.6	4.1
05D680K	7.0	9.0	12.0	20.0	5.0	0.6	4.5
05D560K	7.0	9.0	12.0	20.0	5.0	0.6	4.5
05D470K	7.0	9.0	12.0	20.0	5.0	0.6	4.1
05D390K	7.0	9.0	12.0	20.0	5.0	0.6	4.1
05D330K	7.0	9.0	12.0	20.0	5.0	0.6	3.9
05D270K	7.0	9.0	12.0	20.0	5.0	0.6	3.9
05D220K	7.0	9.0	12.0	20.0	5.0	0.6	3.8
05D180L	7.0	9.0	12.0	20.0	5.0	0.6	3.8

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

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# 07D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■電氣特性 Electrical Characteristics

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
07D180L	10	14	2.4	500	250	0.02	18(15-21)	38	1400
07D220K	14	18	2.8	500	250	0.02	22(20-24)	43	1150
07D270K	17	22	3.0	500	250	0.02	27(24-30)	53	930
07D330K	20	26	4	500	250	0.02	33(30-36)	65	760
07D390K	25	31	4.6	500	250	0.02	39(35-43)	77	640
07D470K	30	38	5.2	500	250	0.02	47(42-52)	93	530
07D560K	35	45	6.5	500	250	0.02	56(50-62)	110	450
07D680K	40	56	7.5	500	250	0.02	68(61-75)	135	370

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
07D820K	50	65	10	1750	1250	0.25	82(74-90)	135	600
07D101K	60	85	12.0	1750	1250	0.25	100(90-110)	165	500
07D121K	75	100	14.2	1750	1250	0.25	120(108-132)	200	420
07D151K	95	125	17.0	1750	1250	0.25	150(135-165)	250	330
07D181K	115	150	22.0	1750	1250	0.25	180(162-198)	300	280
07D201K	130	170	27.0	1750	1250	0.25	200(185-225)	330	250
07D221K	140	180	29.0	1750	1250	0.25	220(198-242)	360	230
07D241K	150	200	30.0	1750	1250	0.25	240(216-264)	395	210
07D271K	175	225	33.0	1750	1250	0.25	270(243-297)	455	185
07D301K	190	250	36.0	1750	1250	0.25	300(270-330)	505	165
07D331K	210	275	38.0	1750	1250	0.25	330(297-363)	550	150
07D361K	230	300	43.0	1750	1250	0.25	360(324-396)	595	140
07D391K	250	320	47.0	1750	1250	0.25	390(351-429)	650	130
07D431K	275	350	51.0	1750	1250	0.25	430(387-473)	710	115
07D471K	300	385	57.0	1750	1250	0.25	470(423-517)	775	105
07D511K	320	415	58.0	1750	1250	0.25	510(459-561)	845	100
07D561K	350	460	61.0	1750	1250	0.25	560(504-616)	920	90
07D621K	385	505	68.0	1750	1250	0.25	620(558-682)	1025	80
07D681K	420	560	75.0	1750	1250	0.25	680(612-748)	1120	75
07D751K	460	615	80.0	1750	1250	0.25	750(675-825)	1240	65
07D781K	485	640	84.0	1750	1250	0.25	780(702-858)	1290	63
07D821K	510	670	87.0	1750	1250	0.25	820(738-902)	1355	60

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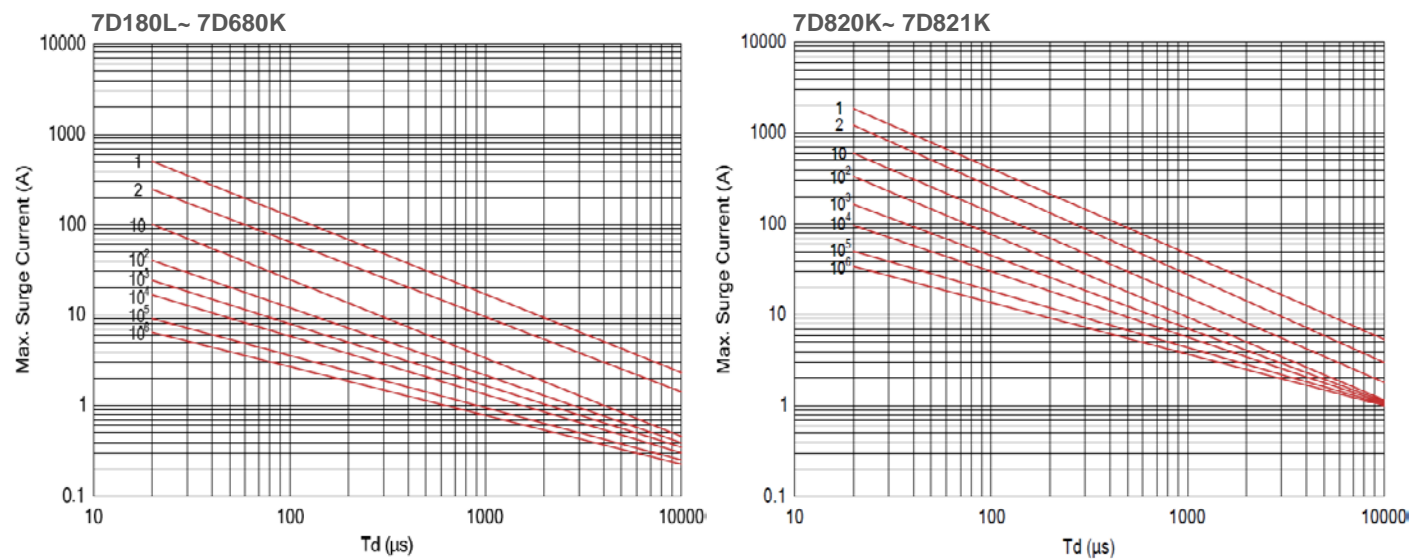
# 07D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



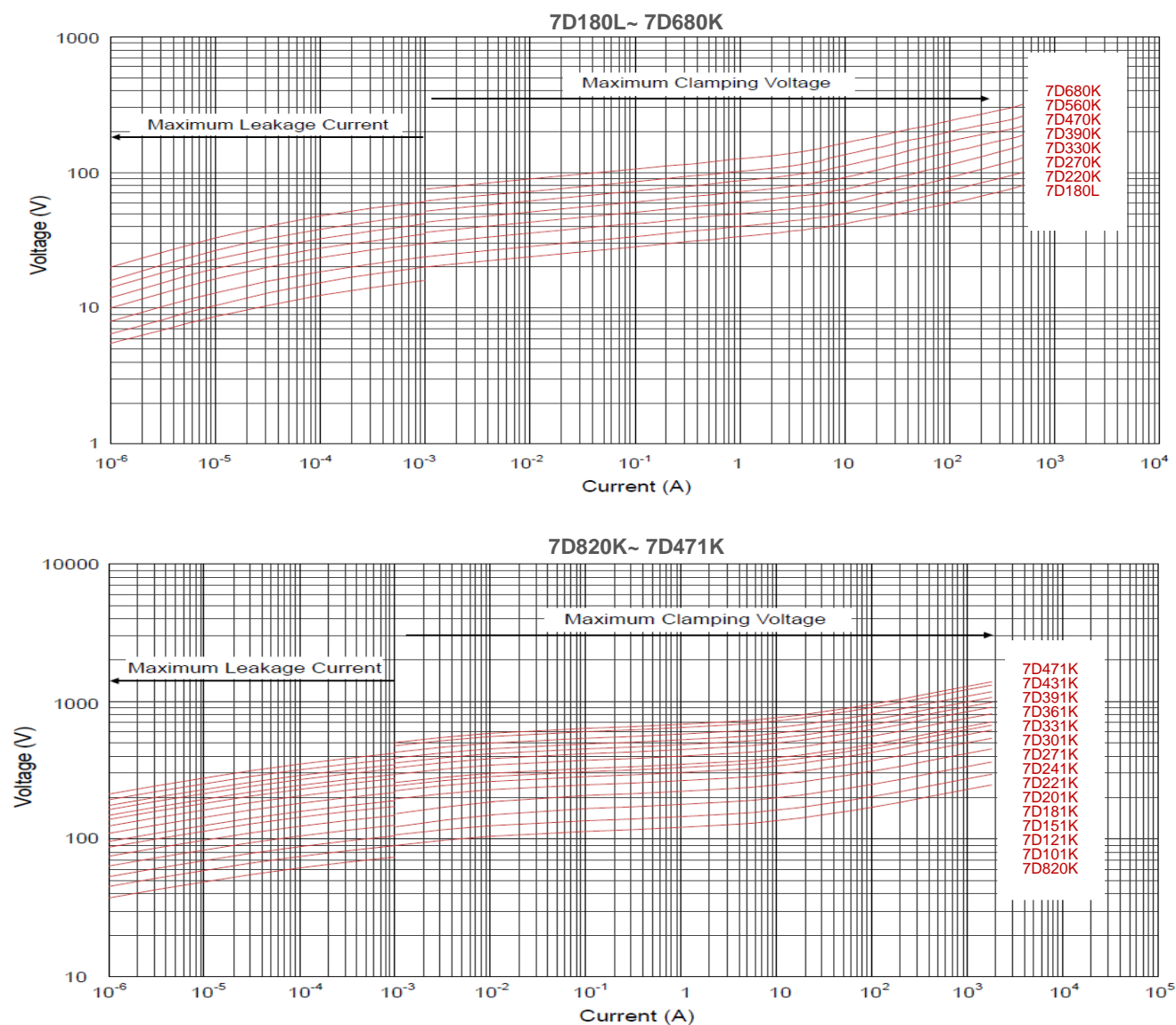
### ■最大冲击电流减额曲线

Maximum Surge Current Derating Curve



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve





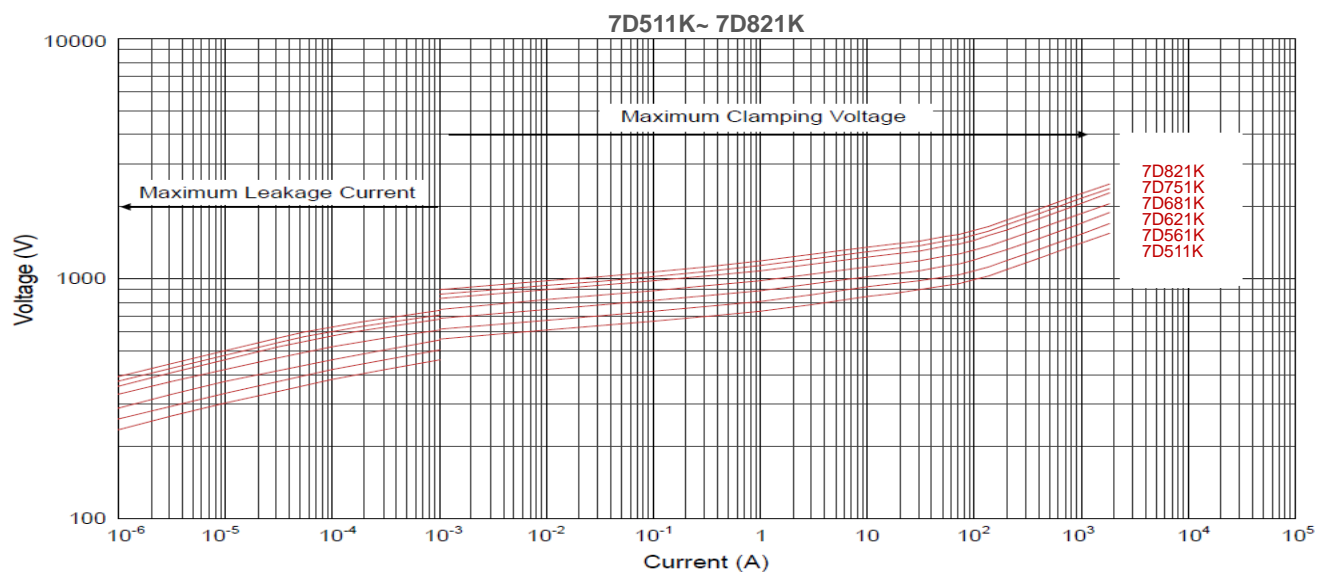
# 07D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

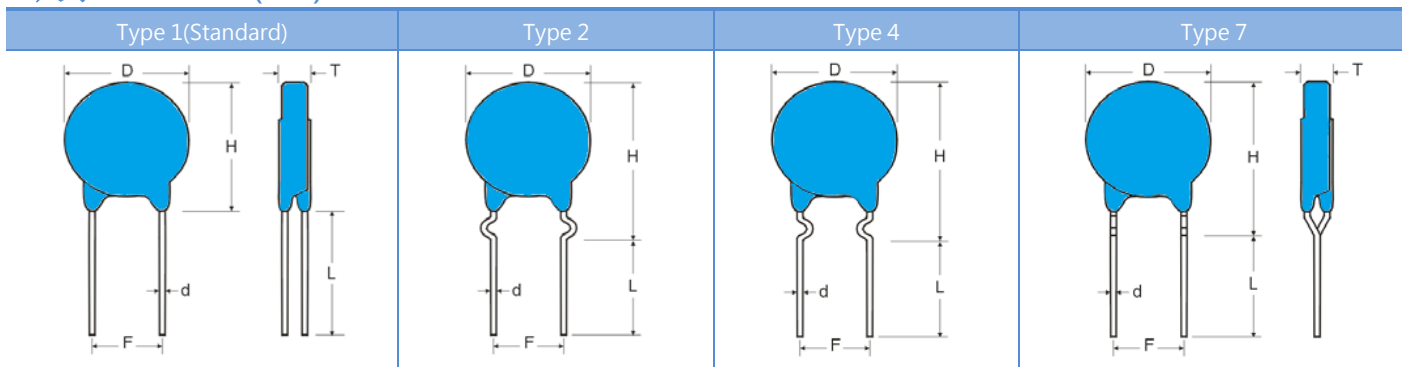


# 07D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■尺寸 Dimensions(mm)



產品型號 Part No.	D Max.	H Max.		L min.	F ±0.8	d ±0.05	T Max.
		Type 1	Type 2 / 4 / 7				
07D821K	9.0	11.0	14.0	20.0	5.0	0.6	6.9
07D781K	9.0	11.0	14.0	20.0	5.0	0.6	6.7
07D751K	9.0	11.0	14.0	20.0	5.0	0.6	6.5
07D681K	9.0	11.0	14.0	20.0	5.0	0.6	6.4
07D621K	9.0	11.0	14.0	20.0	5.0	0.6	6.4
07D561K	9.0	11.0	14.0	20.0	5.0	0.6	6.2
07D511K	9.0	11.0	14.0	20.0	5.0	0.6	5.8
07D471K	9.0	11.0	14.0	20.0	5.0	0.6	5.6
07D431K	9.0	11.0	14.0	20.0	5.0	0.6	5.3
07D391K	9.0	11.0	14.0	20.0	5.0	0.6	5.1
07D361K	9.0	11.0	14.0	20.0	5.0	0.6	5.0
07D331K	9.0	11.0	14.0	20.0	5.0	0.6	4.8
07D301K	9.0	11.0	14.0	20.0	5.0	0.6	4.7
07D271K	9.0	11.0	14.0	20.0	5.0	0.6	4.5
07D241K	9.0	11.0	14.0	20.0	5.0	0.6	4.3
07D221K	9.0	11.0	14.0	20.0	5.0	0.6	4.2
07D201K	9.0	11.0	14.0	20.0	5.0	0.6	4.1
07D181K	9.0	11.0	14.0	20.0	5.0	0.6	4.1
07D151K	9.0	11.0	14.0	20.0	5.0	0.6	4.8
07D121K	9.0	11.0	14.0	20.0	5.0	0.6	4.5
07D101K	9.0	11.0	14.0	20.0	5.0	0.6	4.3
07D820K	9.0	11.0	14.0	20.0	5.0	0.6	4.1
07D680K	9.0	11.0	14.0	20.0	5.0	0.6	4.5
07D560K	9.0	11.0	14.0	20.0	5.0	0.6	4.5
07D470K	9.0	11.0	14.0	20.0	5.0	0.6	4.1
07D390K	9.0	11.0	14.0	20.0	5.0	0.6	4.1
07D330K	9.0	11.0	14.0	20.0	5.0	0.6	3.9
07D270K	9.0	11.0	14.0	20.0	5.0	0.6	3.9
07D220K	9.0	11.0	14.0	20.0	5.0	0.6	3.8
07D180L	9.0	11.0	14.0	20.0	5.0	0.6	3.8

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# 10D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■電氣特性 Electrical Characteristics

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
10D180L	10	14	3.0	1000	500	0.05	18(15-21)	38	5600
10D220K	14	18	5.0	1000	500	0.05	22(20-24)	43	4500
10D270K	17	22	6.5	1000	500	0.05	27(24-30)	53	3700
10D330K	20	26	8.0	1000	500	0.05	33(30-36)	65	3000
10D390K	25	31	9.5	1000	500	0.05	39(35-43)	77	2600
10D470K	30	38	11	1000	500	0.05	47(42-52)	93	2100
10D560K	35	45	13	1000	500	0.05	56(50-62)	110	1800
10D680K	40	56	16	1000	500	0.05	68(61-75)	135	1500

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER	壓敏電壓 Varistor Voltage	最大限制電壓 Max Clamping Voltage	電容量 Capacitance (參考值)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
10D820K	50	65	17.0	3500	2500	0.4	82(74-90)	135	1200
10D101K	60	85	18.5	3500	2500	0.4	100(90-110)	165	1000
10D121K	75	100	21.5	3500	2500	0.4	120(108-132)	200	830
10D151K	95	125	26.0	3500	2500	0.4	150(135-165)	250	670
10D181K	115	150	38.0	3500	2500	0.4	180(162-198)	300	560
10D201K	130	170	42.5	3500	2500	0.4	200(185-225)	330	500
10D221K	140	180	46.5	3500	2500	0.4	220(198-242)	360	450
10D241K	150	200	51.0	3500	2500	0.4	240(216-264)	395	420
10D271K	175	225	58.0	3500	2500	0.4	270(243-297)	455	370
10D301K	190	250	63.5	3500	2500	0.4	300(270-330)	505	330
10D331K	210	275	69.0	3500	2500	0.4	330(297-363)	550	300
10D361K	230	300	75.0	3500	2500	0.4	360(324-396)	595	280
10D391K	250	320	82.0	3500	2500	0.4	390(351-429)	650	260
10D431K	275	350	89.0	3500	2500	0.4	430(387-473)	710	230
10D471K	300	385	100	3500	2500	0.4	470(423-517)	775	210
10D511K	320	415	102	3500	2500	0.4	510(459-561)	845	200
10D561K	350	460	104	3500	2500	0.4	560(504-616)	920	180
10D621K	385	505	106	3500	2500	0.4	620(558-682)	1025	160
10D681K	420	560	108	3500	2500	0.4	680(612-748)	1120	150
10D751K	460	615	118	3500	2500	0.4	750(675-825)	1240	140
10D781K	485	640	120	3500	2500	0.4	780(702-858)	1290	130
10D821K	510	670	125	3500	2500	0.4	820 (738-902)	1355	120
10D911K	550	745	134	3500	2500	0.4	910 (819-1001)	1500	110
10D102K	625	825	140	3500	2500	0.4	1000(900-1100)	1650	100
10D112K	680	895	155	3500	2500	0.4	1100(990-1210)	1815	90

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

Note: As space is limited, the detailed class J2/J3 /25D series /32D series won't be described here, Contact us for further information.

注：本產品目錄規格如有變更，恕不一一告知，訂購及使用之前，請仔細確認規格書內容

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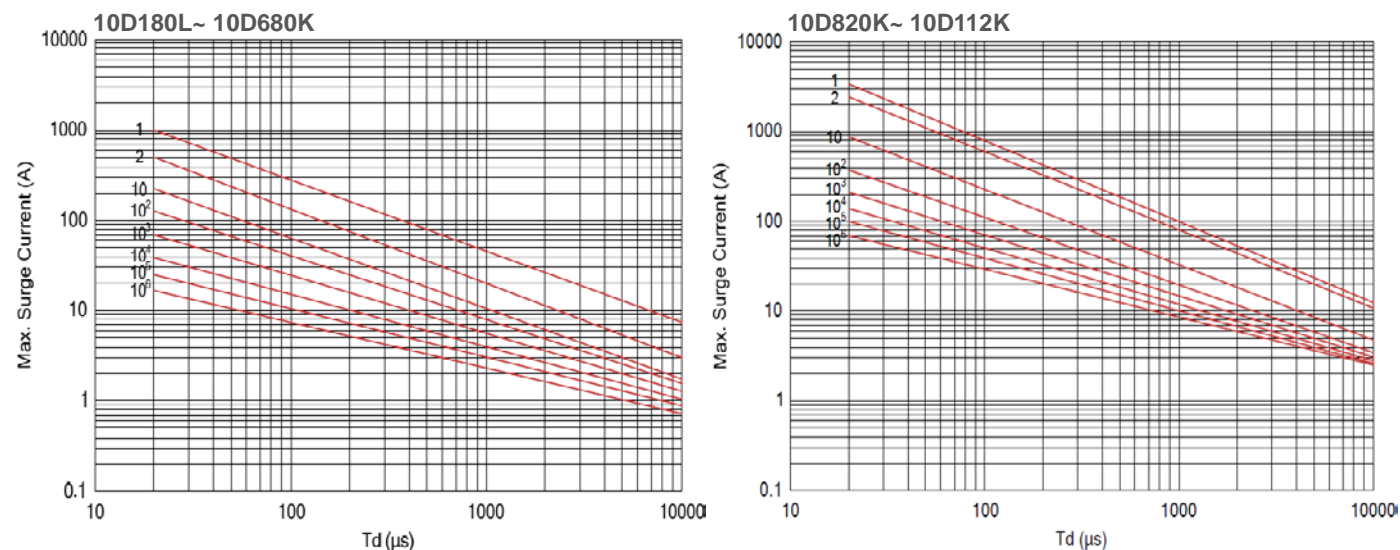
# 10D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



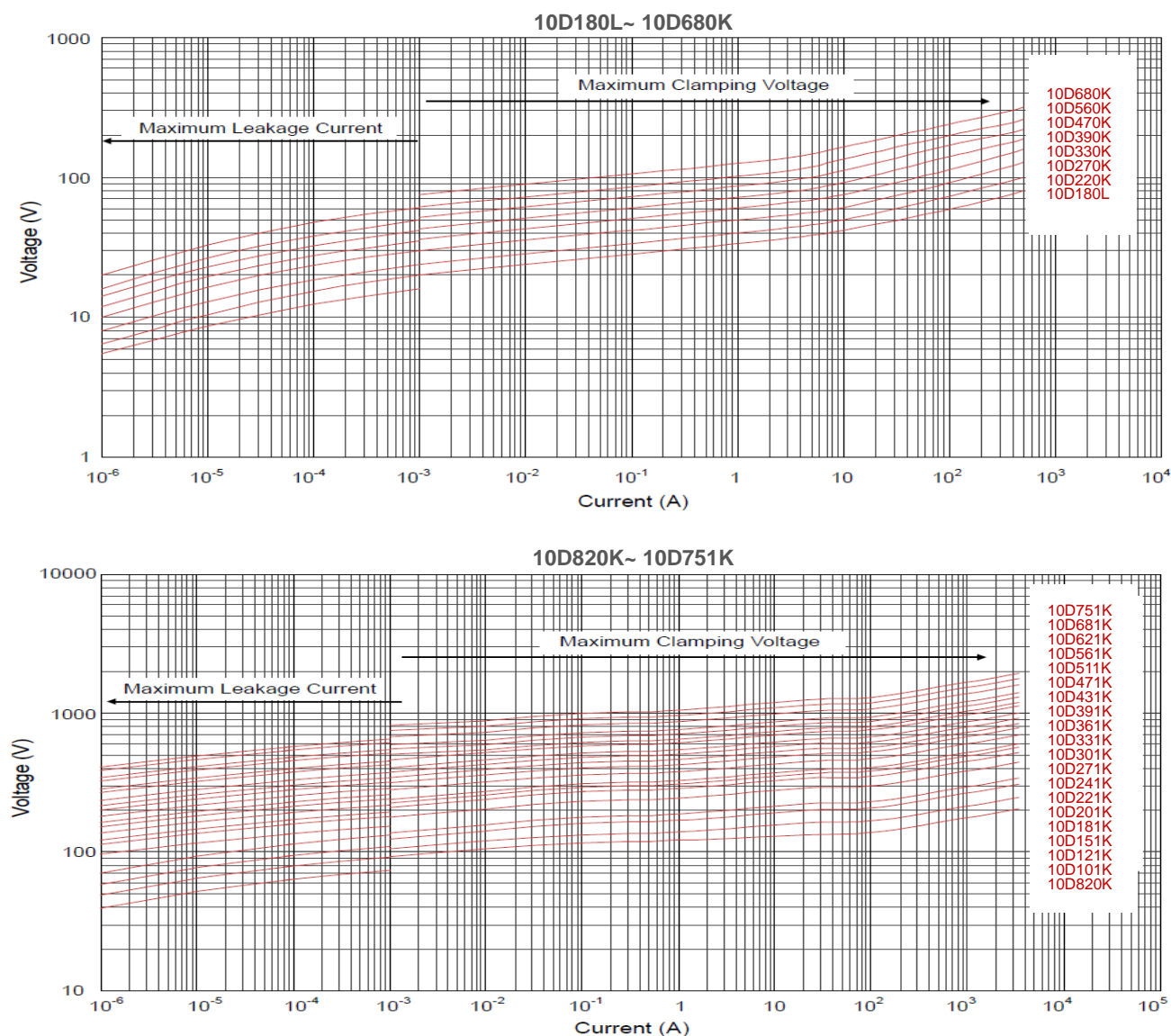
### ■最大冲击电流减额曲线

Maximum Surge Current Derating Curve



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve



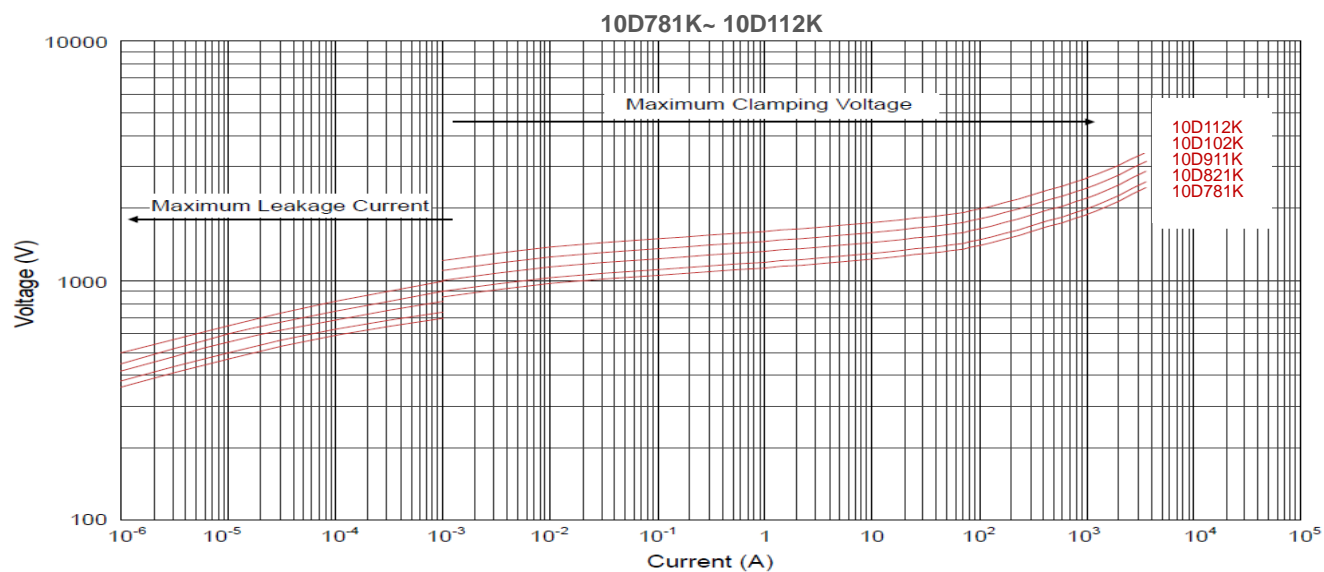
# 10D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

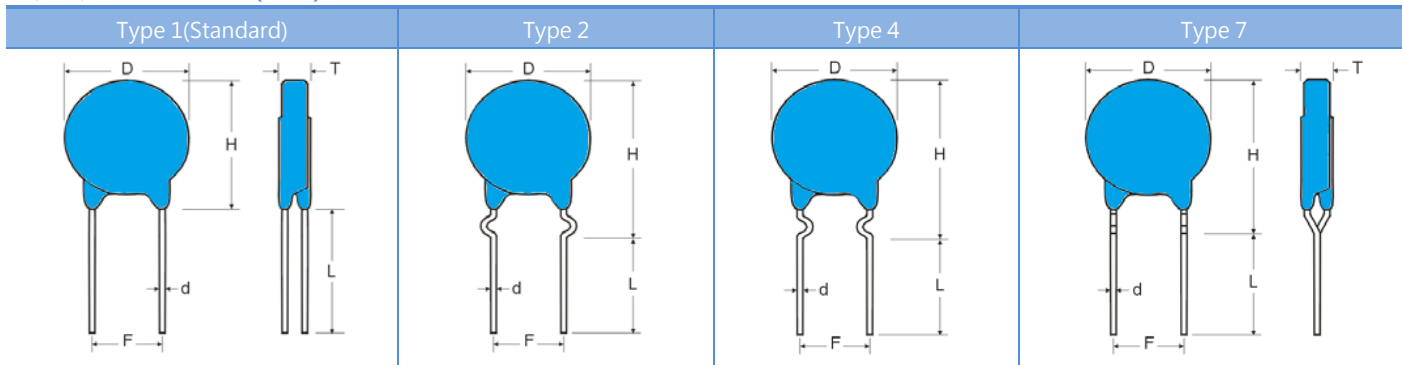


# 10D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor –



### ■尺寸 Dimensions(mm)



產品型號 Part No.	D Max.	H Max.		L min.	F ±0.8	d ±0.05	T Max.
		Type 1	Type 2 / 4 / 7				
10D112K	12.5	14.0	17.0	20.0	7.5	0.8	7.8
10D102K	12.5	14.0	17.0	20.0	7.5	0.8	7.6
10D911K	12.5	14.0	17.0	20.0	7.5	0.8	7.2
10D821K	12.5	14.0	17.0	20.0	7.5	0.8	6.8
10D751K	12.5	14.0	17.0	20.0	7.5	0.8	6.5
10D681K	12.5	14.0	17.0	20.0	7.5	0.8	6.4
10D621K	12.5	14.0	17.0	20.0	7.5	0.8	6.4
10D561K	12.5	14.0	17.0	20.0	7.5	0.8	6.2
10D511K	12.5	14.0	17.0	20.0	7.5	0.8	5.8
10D471K	12.5	14.0	17.0	20.0	7.5	0.8	5.6
10D431K	12.5	14.0	17.0	20.0	7.5	0.8	5.3
10D391K	12.5	14.0	17.0	20.0	7.5	0.8	5.1
10D361K	12.5	14.0	17.0	20.0	7.5	0.8	5.0
10D331K	12.5	14.0	17.0	20.0	7.5	0.8	4.8
10D301K	12.5	14.0	17.0	20.0	7.5	0.8	4.7
10D271K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D241K	12.5	14.0	17.0	20.0	7.5	0.8	4.3
10D221K	12.5	14.0	17.0	20.0	7.5	0.8	4.2
10D201K	12.5	14.0	17.0	20.0	7.5	0.8	4.1
10D181K	12.5	14.0	17.0	20.0	7.5	0.8	4.1
10D151K	12.5	14.0	17.0	20.0	7.5	0.8	4.8
10D121K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D101K	12.5	14.0	17.0	20.0	7.5	0.8	4.3
10D820K	12.5	14.0	17.0	20.0	7.5	0.8	4.1
10D680K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D560K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D470K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D390K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D330K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D270K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D220K	12.5	14.0	17.0	20.0	7.5	0.8	4.5
10D180L	12.5	14.0	17.0	20.0	7.5	0.8	4.5

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

Note: As space is limited, the detailed class J2/J3/25D series /32D series won't be described here, Contact us for further information.

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# 14D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■電氣特性 Electrical Characteristics

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS (J)	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER (W)	壓敏電壓 Varistor Voltage AT 1mA(V)	最大限制電壓 Max Clamping Voltage AT 10A(V)	電容量 Capacitance (參考值) 1KHz(pF)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
14D180L	10	14	7.0	2000	1000	0.1	18(15-21)	38	11100
14D220K	14	18	8.0	2000	1000	0.1	22(20-24)	43	9100
14D270K	17	22	10.0	2000	1000	0.1	27(24-30)	53	7400
14D330K	20	26	12.5	2000	1000	0.1	33(30-36)	65	6100
14D390K	25	31	13.0	2000	1000	0.1	39(35-43)	77	5100
14D470K	30	38	17.0	2000	1000	0.1	47(42-52)	93	4300
14D560K	35	45	20	2000	1000	0.1	56(50-62)	110	3600
14D680K	40	56	24	2000	1000	0.1	68(61-75)	135	2900

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS (J)	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER (W)	壓敏電壓 Varistor Voltage AT 1mA(V)	最大限制電壓 Max Clamping Voltage AT 50A(V)	電容量 Capacitance (參考值) 1KHz(pF)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
14D820K	50	65	30.0	6000	5000	0.6	82(74-90)	135	2400
14D101K	60	85	35.0	6000	5000	0.6	100(90-110)	165	2000
14D121K	75	100	42.0	6000	5000	0.6	120(108-132)	200	1700
14D151K	95	125	53.0	6000	5000	0.6	150(135-165)	250	1300
14D181K	115	150	74.0	6000	5000	0.6	180(162-198)	300	1100
14D201K	130	170	78.6	6000	5000	0.6	200(185-225)	330	1000
14D221K	140	180	80.5	6000	5000	0.6	220(198-242)	360	900
14D241K	150	200	86.0	6000	5000	0.6	240(216-264)	395	830
14D271K	175	225	94.0	6000	5000	0.6	270(243-297)	455	740
14D301K	190	250	105	6000	5000	0.6	300(270-330)	505	670
14D331K	210	275	115	6000	5000	0.6	330(297-363)	550	610
14D361K	230	300	130	6000	5000	0.6	360(324-396)	595	560
14D391K	250	320	140	6000	5000	0.6	390(351-429)	650	510
14D431K	275	350	155	6000	5000	0.6	430(387-473)	710	460
14D471K	300	385	175	6000	5000	0.6	470(423-517)	775	430
14D511K	320	415	180	6000	5000	0.6	510(459-561)	845	390
14D561K	350	460	186	6000	5000	0.6	560(504-616)	920	360
14D621K	385	505	188	6000	5000	0.6	620(558-682)	1025	320
14D681K	420	560	190	6000	5000	0.6	680(612-748)	1120	290
14D751K	460	615	210	6000	5000	0.6	750(675-825)	1240	270
14D781K	485	640	211	6000	5000	0.6	780(702-858)	1290	260
14D821K	510	670	235	6000	5000	0.6	820 (738-902)	1355	230
14D911K	550	745	255	6000	5000	0.6	910 (819-1001)	1500	220
14D102K	625	825	280	6000	5000	0.6	1000(900-1100)	1650	200
14D112K	680	895	310	6000	5000	0.6	1100(990-1210)	1815	180
14D152K	900	1200	420	6000	5000	0.6	1500(1350-1650)	2475	130
14D182K	1000	1465	510	6000	5000	0.6	1800(1620-1980)	2970	110

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

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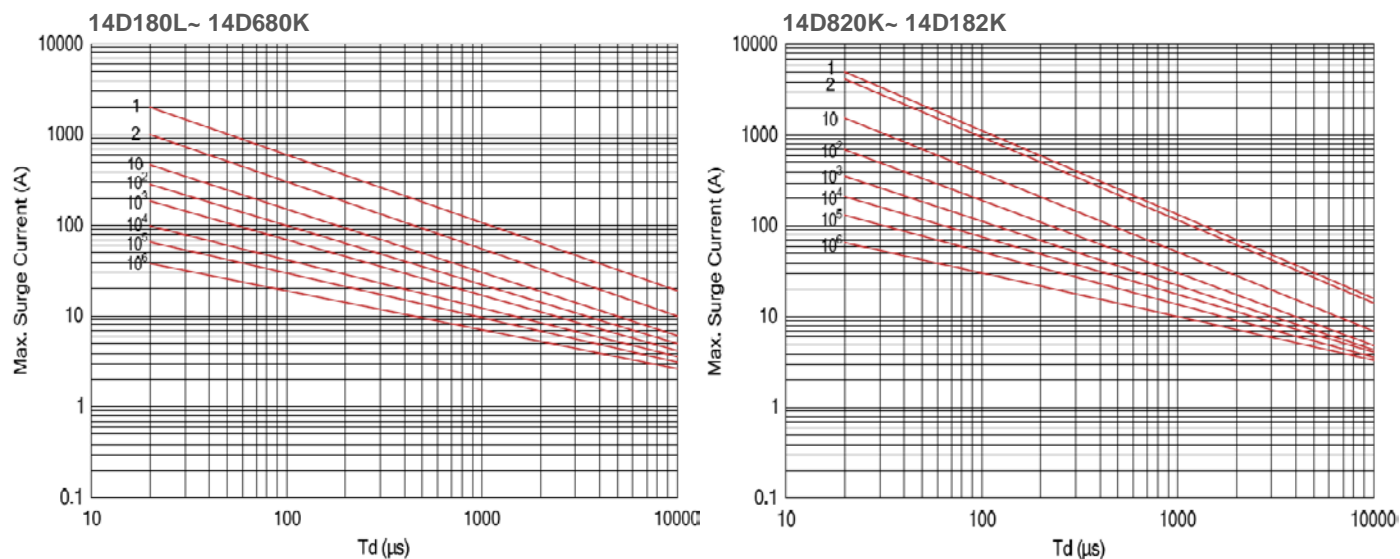
# 14D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



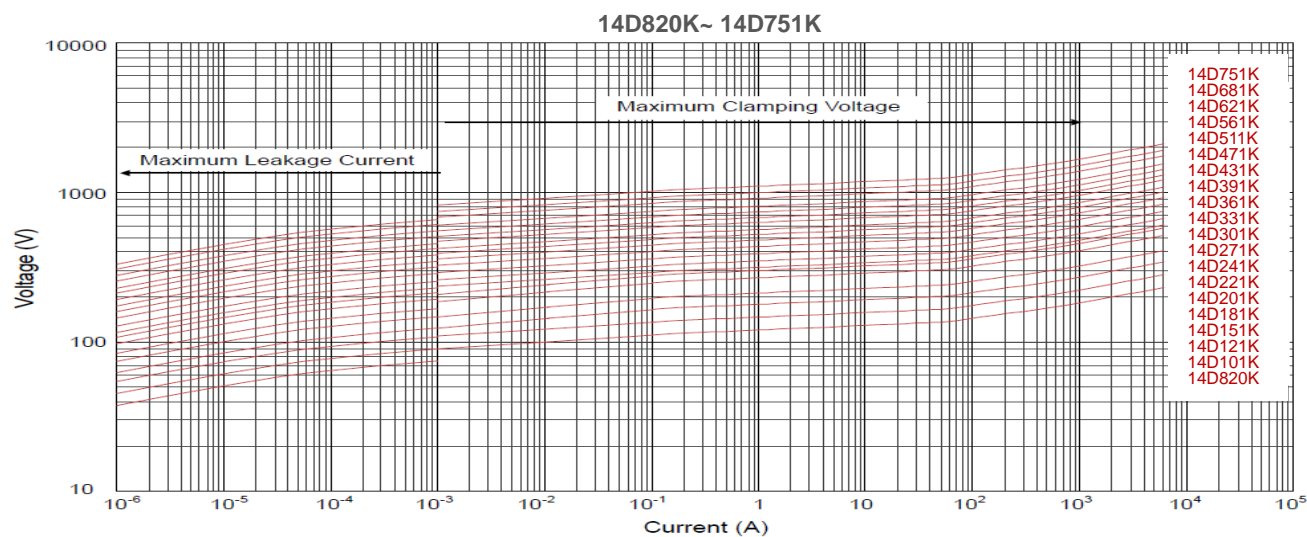
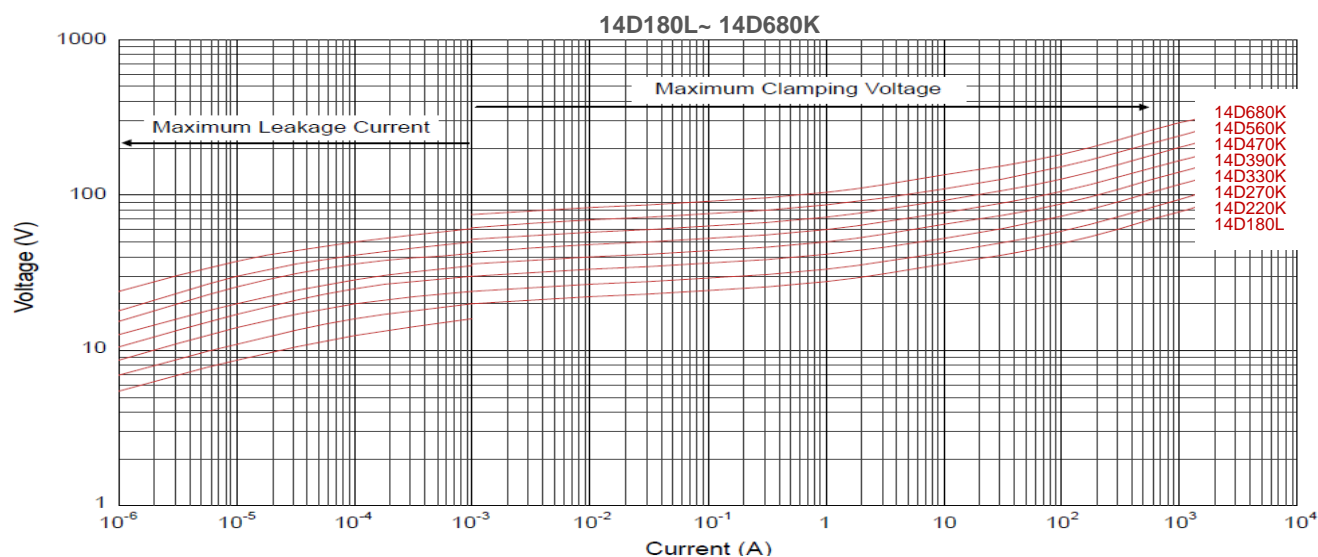
### ■最大冲击电流减额曲线

#### Maximum Surge Current Derating Curve



### ■最大漏电流与最大限制电压曲线

#### Maximum Leakage Current and Maximum Clamping Voltage Curve





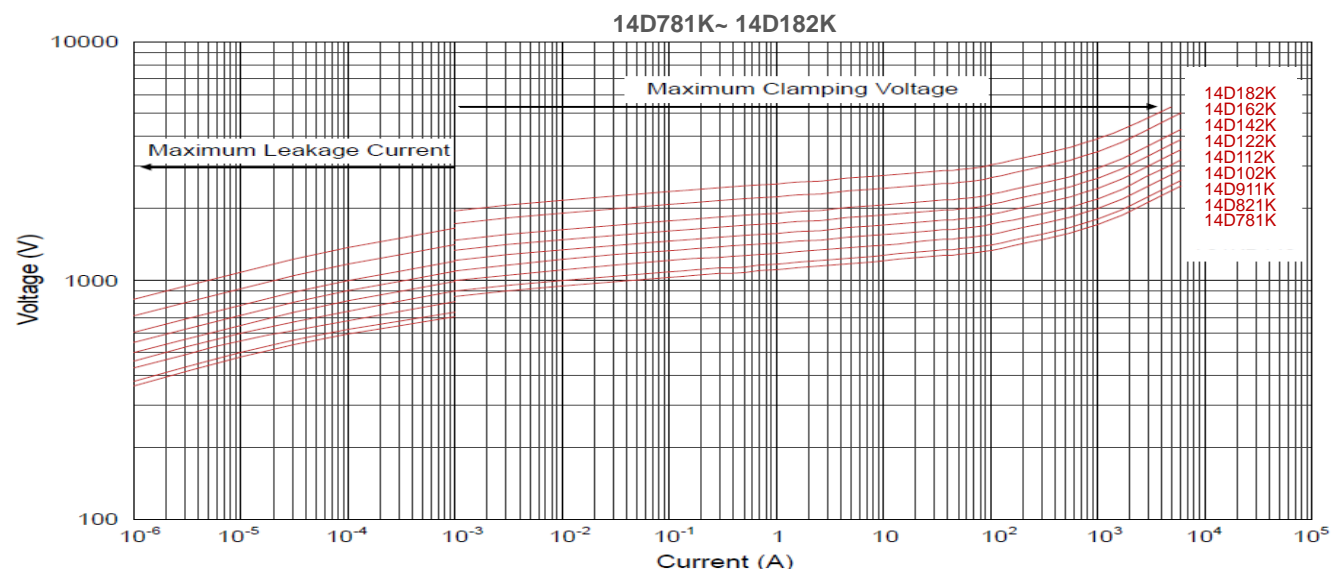
# 14D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

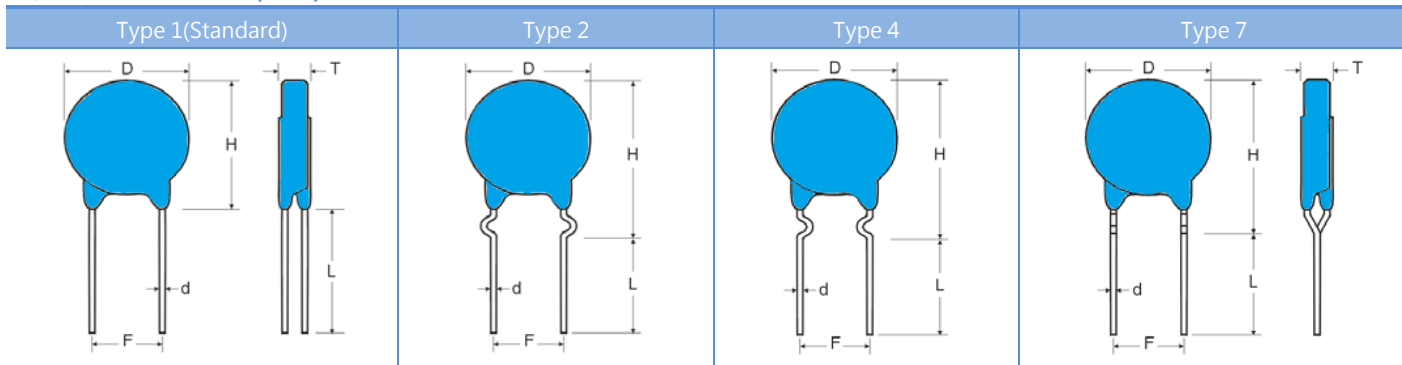


# 14D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■尺寸 Dimensions(mm)



產品型號 Part No.	D Max.	H Max.		L min.	F ±0.8	d ±0.05	T Max.
		Type 1	Type 2 / 4 / 7				
14D182K	17.0	18.0	21.0	20.0	7.5	0.8	12.5
14D152K	17.0	18.0	21.0	20.0	7.5	0.8	11.0
14D112K	17.0	18.0	21.0	20.0	7.5	0.8	8.5
14D102K	17.0	18.0	21.0	20.0	7.5	0.8	7.8
14D911K	17.0	18.0	21.0	20.0	7.5	0.8	7.6
14D821K	17.0	18.0	21.0	20.0	7.5	0.8	7.2
14D781K	17.0	18.0	21.0	20.0	7.5	0.8	6.8
14D751K	17.0	18.0	21.0	20.0	7.5	0.8	6.5
14D681K	17.0	18.0	21.0	20.0	7.5	0.8	6.4
14D621K	17.0	18.0	21.0	20.0	7.5	0.8	6.4
14D561K	17.0	18.0	21.0	20.0	7.5	0.8	6.2
14D511K	17.0	18.0	21.0	20.0	7.5	0.8	5.8
14D471K	17.0	18.0	21.0	20.0	7.5	0.8	5.6
14D431K	17.0	18.0	21.0	20.0	7.5	0.8	5.3
14D391K	17.0	18.0	21.0	20.0	7.5	0.8	5.1
14D361K	17.0	18.0	21.0	20.0	7.5	0.8	5.0
14D331K	17.0	18.0	21.0	20.0	7.5	0.8	4.8
14D301K	17.0	18.0	21.0	20.0	7.5	0.8	4.7
14D271K	17.0	18.0	21.0	20.0	7.5	0.8	4.5
14D241K	17.0	18.0	21.0	20.0	7.5	0.8	4.3
14D221K	17.0	18.0	21.0	20.0	7.5	0.8	4.2
14D201K	17.0	18.0	21.0	20.0	7.5	0.8	4.1
14D181K	17.0	18.0	21.0	20.0	7.5	0.8	4.1
14D151K	17.0	18.0	21.0	20.0	7.5	0.8	4.8
14D121K	17.0	18.0	21.0	20.0	7.5	0.8	4.5
14D101K	17.0	18.0	21.0	20.0	7.5	0.8	4.3
14D820K	17.0	18.0	21.0	20.0	7.5	0.8	4.1
14D680K	17.0	18.0	21.0	20.0	7.5	0.8	4.1
14D560K	17.0	18.0	21.0	20.0	7.5	0.8	4.1
14D470K	17.0	18.0	21.0	20.0	7.5	0.8	4.5
14D390K	17.0	18.0	21.0	20.0	7.5	0.8	4.5
14D330K	17.0	18.0	21.0	20.0	7.5	0.8	4.2
14D270K	17.0	18.0	21.0	20.0	7.5	0.8	4.0
14D220K	17.0	18.0	21.0	20.0	7.5	0.8	4.0
14D180L	17.0	18.0	21.0	20.0	7.5	0.8	4.0

注：篇幅有限，品類 J2/J3/25D series /32D series 在此不作詳述，欲了解請與我們聯繫

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## 20D Series 高能型氧化鋅壓敏電阻器 – Class J1 High Surge Type Metal Oxide Varistor



### ■電氣特性 Electrical Characteristics

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS (J)	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER (W)	壓敏電壓 Varistor Voltage AT 1mA(V)	最大限制電壓 Max Clamping Voltage AT 20A(V)	電容量 Capacitance (參考值) 1KHz(pF)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
20D180L	10	14	13.0	3000	1000	0.2	18(15-21)	38	19000
20D220K	14	18	16.0	3000	1000	0.2	22(20-24)	43	15000
20D270K	17	22	19.0	3000	1000	0.2	27(24-30)	53	12000
20D330K	20	26	24.0	3000	1000	0.2	33(30-36)	65	10000
20D390K	25	31	28.0	3000	1000	0.2	39(35-43)	77	8500
20D470K	30	38	34.0	3000	1000	0.2	47(42-52)	93	7400
20D560K	35	45	41.0	3000	1000	0.2	56(50-62)	110	6500
20D680K	40	56	49.0	3000	1000	0.2	68(61-75)	135	5800

產品型號 Part No.	最大允許迴路電壓 Maximum Allowable Voltage		能量/耐量 Energy 10/1000μS (J)	最大峰值電流 8/20μS Withstanding Surge Current		最大額定功率 Rated POWER (W)	壓敏電壓 Varistor Voltage AT 1mA(V)	最大限制電壓 Max Clamping Voltage AT 100A(V)	電容量 Capacitance (參考值) 1KHz(pF)
	ACrms(V)	DC(V)		1 Time(A)	2 Time(A)				
20D820K	50	65	56.0	10000	7000	1.0	82(74-90)	135	4900
20D101K	60	85	70.0	10000	7000	1.0	100(90-110)	165	4000
20D121K	75	100	85.0	10000	7000	1.0	120(108-132)	200	3300
20D151K	95	125	106	10000	7000	1.0	150(135-165)	250	2700
20D181K	115	150	130	10000	7000	1.0	180(162-198)	300	2200
20D201K	130	170	140	10000	7000	1.0	200(185-225)	330	2000
20D221K	140	180	155	10000	7000	1.0	220(198-242)	360	1800
20D241K	150	200	168	10000	7000	1.0	240(216-264)	395	1650
20D271K	175	225	190	10000	7000	1.0	270(243-297)	455	1500
20D301K	190	250	210	10000	7000	1.0	300(270-330)	505	1300
20D331K	210	275	228	10000	7000	1.0	330(297-363)	550	1200
20D361K	230	300	255	10000	7000	1.0	360(324-396)	595	1100
20D391K	250	320	275	10000	7000	1.0	390(351-429)	650	1000
20D431K	275	350	305	10000	7000	1.0	430(387-473)	710	930
20D471K	300	385	350	10000	7000	1.0	470(423-517)	775	850
20D511K	320	415	360	10000	7000	1.0	510(459-561)	845	780
20D561K	350	460	366	10000	7000	1.0	560(504-616)	920	715
20D621K	385	505	372	10000	7000	1.0	620(558-682)	1025	650
20D681K	420	560	382	10000	7000	1.0	680(612-748)	1120	600
20D751K	460	615	410	10000	7000	1.0	750(675-825)	1240	530
20D781K	485	640	421	10000	7000	1.0	780(702-858)	1290	510
20D821K	510	670	460	10000	7000	1.0	820 (738-902)	1355	500
20D911K	550	745	510	10000	7000	1.0	910 (819-1001)	1500	440
20D102K	625	825	560	10000	7000	1.0	1000(900-1100)	1650	400
20D112K	680	895	620	10000	7000	1.0	1100(990-1210)	1815	360
20D152K	900	1200	780	10000	7000	1.0	1500(1350-1650)	2475	260
20D182K	1000	1465	860	10000	7000	1.0	1800(1620-1980)	2970	220

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注：本產品目錄規格如有變更，恕不一一告知，訂購及使用之前，請仔細確認規格書內容

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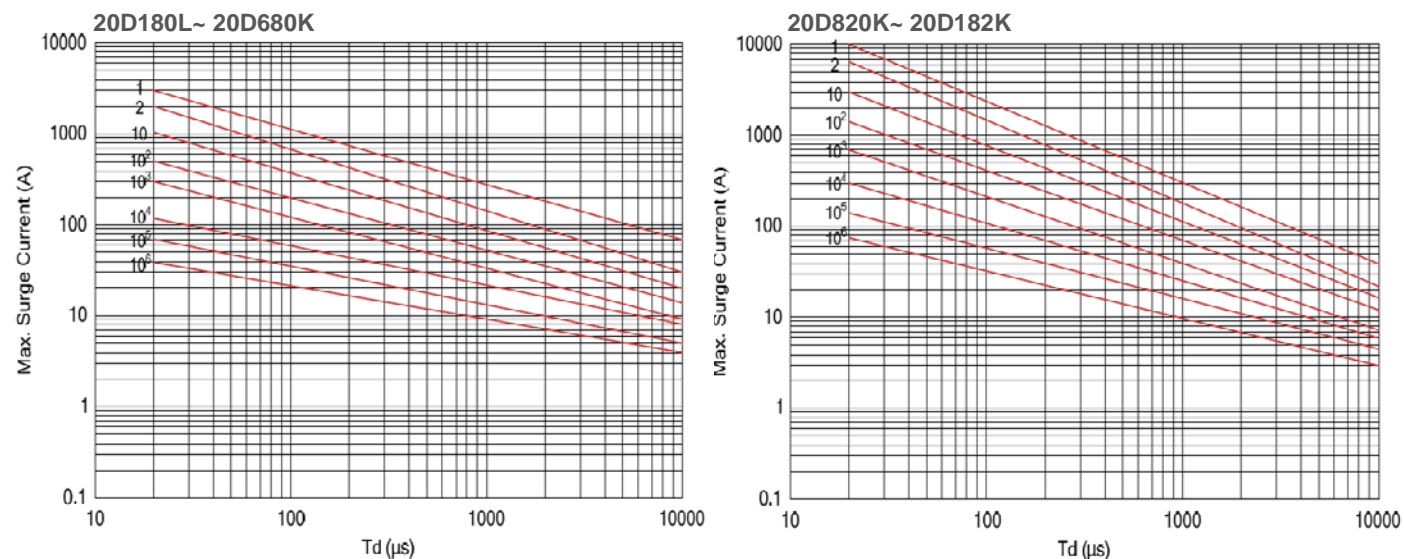
# 20D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



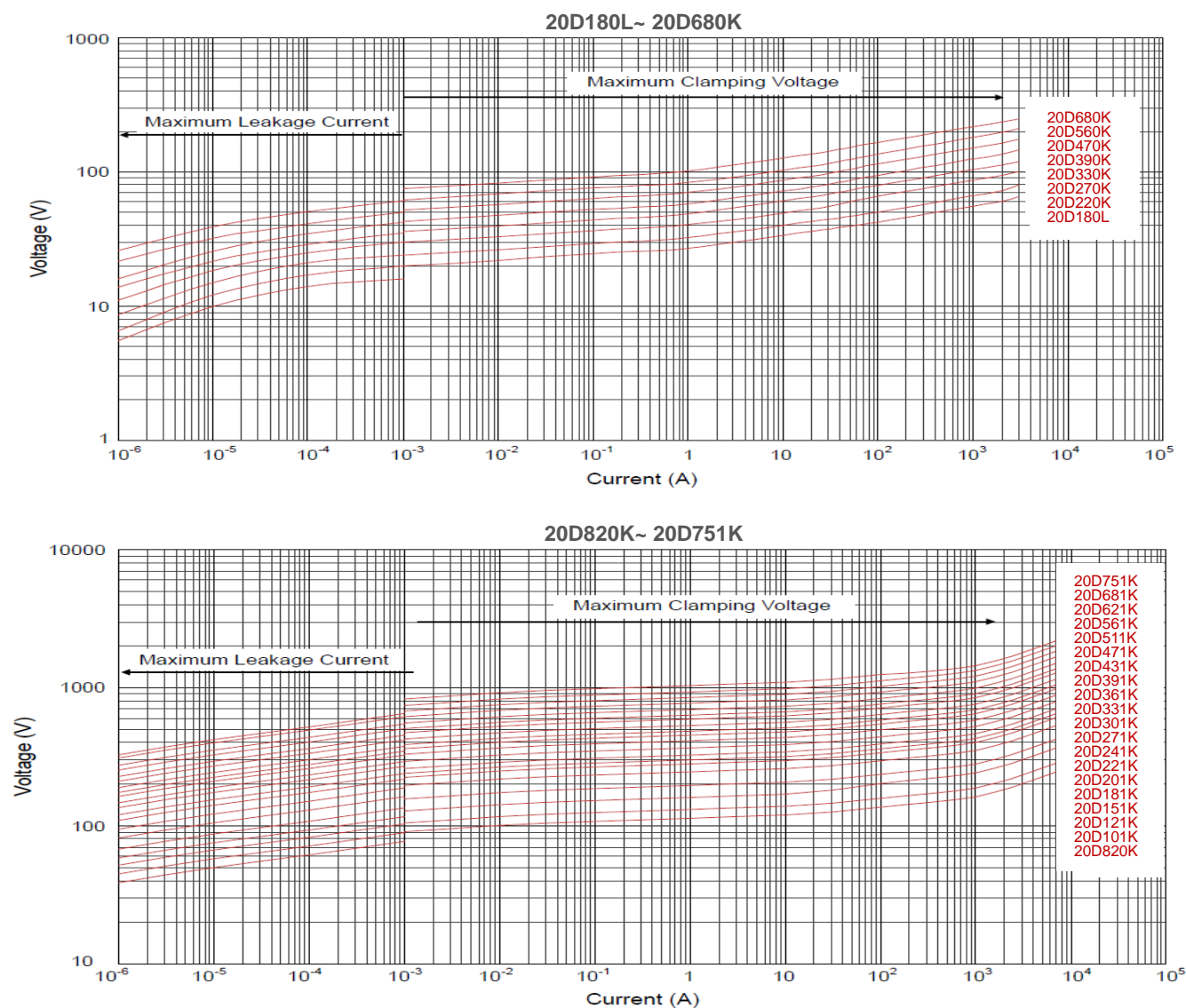
### ■最大冲击电流减额曲线

Maximum Surge Current Derating Curve



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

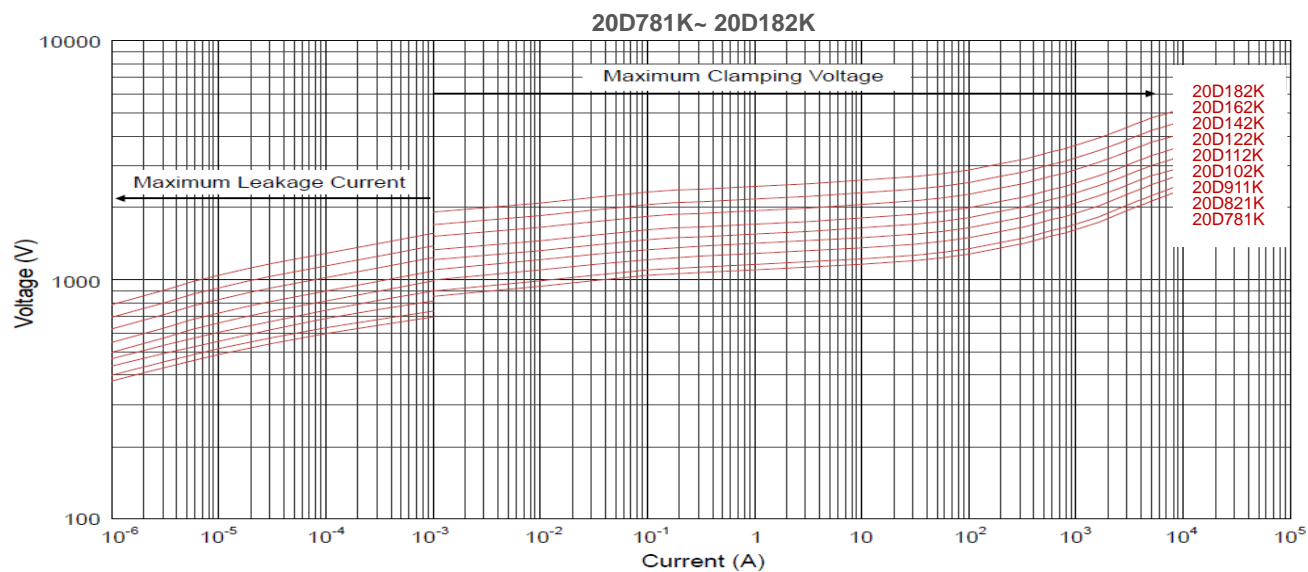


## 20D Series 高能型氧化鋅壓敏電阻器 – Class J1 High Surge Type Metal Oxide Varistor



### ■最大漏电流与最大限制电压曲线

Maximum Leakage Current and Maximum Clamping Voltage Curve

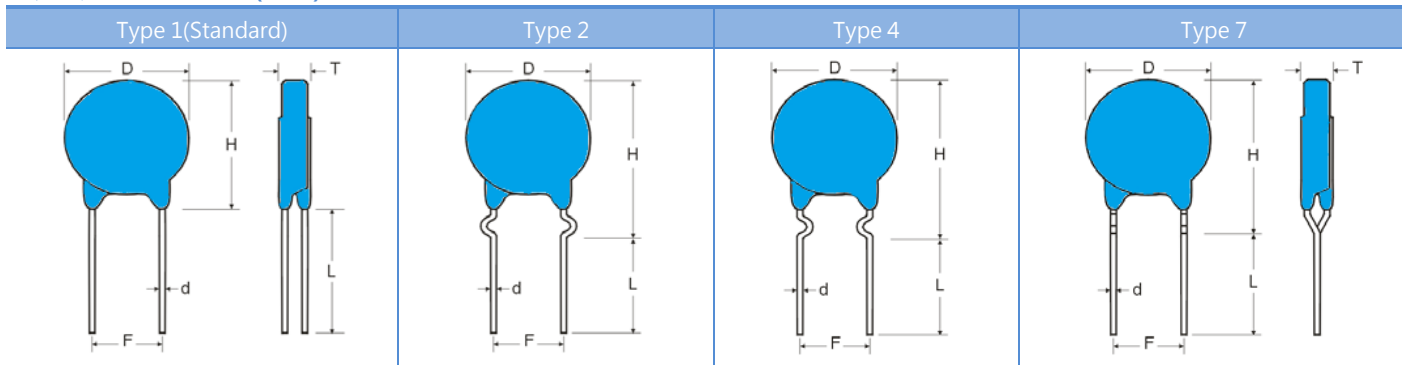


# 20D Series 高能型氧化鋅壓敏電阻器 – Class J1

## High Surge Type Metal Oxide Varistor



### ■尺寸 Dimensions(mm)



產品型號 Part No.	D Max.	H Max.		L min.	F ±0.8	d ±0.05	T Max.
		Type 1	Type 2 / 4 / 7				
20D182K	22.0	25.0	28.0	20.0	10.0	1.0	12.5
20D152K	22.0	25.0	28.0	20.0	10.0	1.0	11.0
20D112K	22.0	25.0	28.0	20.0	10.0	1.0	8.5
20D102K	22.0	25.0	28.0	20.0	10.0	1.0	7.8
20D911K	22.0	25.0	28.0	20.0	10.0	1.0	7.6
20D821K	22.0	25.0	28.0	20.0	10.0	1.0	7.2
20D781K	22.0	25.0	28.0	20.0	10.0	1.0	6.8
20D751K	22.0	25.0	28.0	20.0	10.0	1.0	6.5
20D681K	22.0	25.0	28.0	20.0	10.0	1.0	6.4
20D621K	22.0	25.0	28.0	20.0	10.0	1.0	6.4
20D561K	22.0	25.0	28.0	20.0	10.0	1.0	6.2
20D511K	22.0	25.0	28.0	20.0	10.0	1.0	5.8
20D471K	22.0	25.0	28.0	20.0	10.0	1.0	5.6
20D431K	22.0	25.0	28.0	20.0	10.0	1.0	5.3
20D391K	22.0	25.0	28.0	20.0	10.0	1.0	5.1
20D361K	22.0	25.0	28.0	20.0	10.0	1.0	5.0
20D331K	22.0	25.0	28.0	20.0	10.0	1.0	4.8
20D301K	22.0	25.0	28.0	20.0	10.0	1.0	4.7
20D271K	22.0	25.0	28.0	20.0	10.0	1.0	4.5
20D241K	22.0	25.0	28.0	20.0	10.0	1.0	4.3
20D221K	22.0	25.0	28.0	20.0	10.0	1.0	4.2
20D201K	22.0	25.0	28.0	20.0	10.0	1.0	4.1
20D181K	22.0	25.0	28.0	20.0	10.0	1.0	4.1
20D151K	22.0	25.0	28.0	20.0	10.0	1.0	4.8
20D121K	22.0	25.0	28.0	20.0	10.0	1.0	4.5
20D101K	22.0	25.0	28.0	20.0	10.0	1.0	4.3
20D820K	22.0	25.0	28.0	20.0	10.0	1.0	4.1
20D680K	22.0	25.0	28.0	20.0	10.0	1.0	4.1
20D560K	22.0	25.0	28.0	20.0	10.0	1.0	4.1
20D470K	22.0	25.0	28.0	20.0	10.0	1.0	4.5
20D390K	22.0	25.0	28.0	20.0	10.0	1.0	4.5
20D330K	22.0	25.0	28.0	20.0	10.0	1.0	4.2
20D270K	22.0	25.0	28.0	20.0	10.0	1.0	4.0
20D220K	22.0	25.0	28.0	20.0	10.0	1.0	4.0
20D180L	22.0	25.0	28.0	20.0	10.0	1.0	4.0

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