

N (Standard) Series

Diameter: 20 mm

標準系列



Part No. 產品型號	Maximum Allowable Voltage 可容許之最大電壓		Energy 能量 10/1000 μ S	Withstanding Surge Current 突波電流耐量 8/20 μ S		Rated Wattage 額定功率	Varistor Voltage 壓敏電壓	Maximum Clamping Voltage 最大抑制電壓
	ACrms (V)	DC (V)	(J)	1 time	2 times	(W)	at 1mA (V)	at 100A (V)
				(A)				
20D182K	1000	1465	560	6500	4000	1.0	1800(1620-1980)	2970
20D152K	900	1200	420				1500(1350-1650)	2475
20D112K	680	895	280				1100(990-1210)	1815
20D102K	625	825	280				1000(900-1100)	1650
20D911K	550	745	280				910(819-1001)	1500
20D821K	510	670	266				820(738-902)	1355
20D781K	485	640	266				780(702-858)	1290
20D751K	460	615	266				750(675-825)	1240
20D681K	420	560	224				680(612-748)	1120
20D621K	385	505	224				620(558-682)	1025
20D561K	350	460	210				560(504-616)	920
20D511K	320	415	210				510(459-561)	845
20D471K	300	385	210				470(423-517)	775
20D431K	275	350	196				430(387-473)	710
20D391K	250	320	182				390(351-429)	650
20D361K	230	300	168				360(324-396)	595
20D331K	210	275	140				330(297-363)	550
20D301K	190	250	133				300(270-330)	505
20D271K	175	225	126				270(243-297)	455
20D251K	160	205	116				250(225-275)	415
20D241K	150	200	112				240(216-264)	395
20D221K	140	180	105				220(198-242)	360
20D201K	130	170	98.0				200(185-225)	330
20D181K	115	150	84.0				180(162-198)	300
20D151K	95	125	70.0				150(135-165)	250
20D121K	75	100	56.0				120(108-132)	200
20D101K	60	85	42.0				100(90-110)	165
20D820K	50	65	37.8				82(74-90)	135

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	ACrms (V)	DC (V)		(J)	1 time				2 times
					(A)				(W)
20D680K	40	56	23.8	2000	1000	0.2	68(61-75)	135	
20D560K	35	45	19.6				56(50-62)	110	
20D470K	30	38	16.8				47(42-52)	93	
20D390K	25	31	13.2				39(35-43)	77	
20D330K	20	26	11.2				33(30-36)	65	
20D270K	17	22	9.1				27(24-30)	53	
20D220K	14	18	7.4				22(20-24)	43	
20D180L	10	14	6.1				18(15-21)	38	

J (High Surge & High Energy) Series

Diameter: 20 mm

高焦耳系列



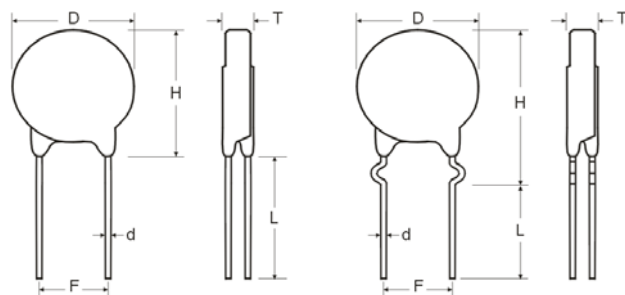
Part No. 產品型號	Maximum Allowable Voltage 可容許之最大電壓		Energy 能量 10/1000 μ S	Withstanding Surge Current 突波電流耐量 8/20 μ S		Rated Wattage 額定功率	Varistor Voltage 壓敏電壓	Maximum Clamping Voltage 最大抑制電壓
	ACrms (V)	DC (V)	(J)	1 time	2 times	(W)	at 1mA (V)	at 100A (V)
				(A)				
20D182K	1000	1465	860	10000	7000	1.0	1800(1620-1980)	2970
20D152K	900	1200	780				1500(1350-1650)	2475
20D112K	680	895	620				1100(990-1210)	1815
20D102K	625	825	560				1000(900-1100)	1650
20D911K	550	745	510				910(819-1001)	1500
20D821K	510	670	460				820(738-902)	1355
20D781K	485	640	421				780(702-858)	1290
20D751K	460	615	420				750(675-825)	1240
20D681K	420	560	382				680(612-748)	1120
20D621K	385	505	381				620(558-682)	1025
20D561K	350	460	380				560(504-616)	920
20D511K	320	415	380				510(459-561)	845
20D471K	300	385	350				470(423-517)	775
20D431K	275	350	305				430(387-473)	710
20D391K	250	320	275				390(351-429)	650
20D361K	230	300	255				360(324-396)	595
20D331K	210	275	228				330(297-363)	550
20D301K	190	250	210				300(270-330)	505
20D271K	175	225	190				270(243-297)	455
20D241K	150	200	168				240(216-264)	395
20D221K	140	180	155				220(198-242)	360
20D201K	130	170	140				200(185-225)	330
20D181K	115	150	130				180(162-198)	300
20D151K	95	125	106				150(135-165)	250
20D121K	75	100	85.0				120(108-132)	200
20D101K	60	85	70.0				100(90-110)	165
20D820K	50	65	56.0				82(74-90)	135

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	ACrms (V)	DC (V)		(J)	1 time				2 times
					(A)				(W)
20D680K	40	56	49.0	3000	1000	0.2	68(61-75)	135	
20D560K	35	45	41.0				56(50-62)	110	
20D470K	30	38	34.0				47(42-52)	93	
20D390K	25	31	28.0				39(35-43)	77	
20D330K	20	26	24.0				33(30-36)	65	
20D270K	17	22	19.0				27(24-30)	53	
20D220K	14	18	16.0				22(20-24)	43	
20D180L	10	14	13.0				18(15-21)	38	

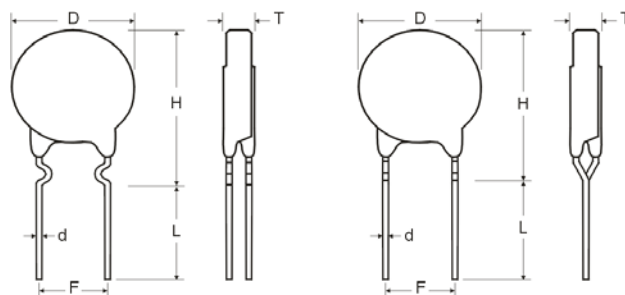
D5 to D25 Dimensions

產品尺寸

S: Straight Lead **C:** Out Crimped Lead



I: Inner Crimped Lead **Y:** Y Kink Lead



Unit: mm

Size	D max	H max		d ± 0.05	F ± 0.8	L min
Lead	All	S	C/I/Y	All	All	All
D05	7	10	13	0.6	5	20
D07	9	12	15	0.6	5	20
D10	13	16	19.5	0.8	5	20
					7.5	
D14	17	20	23	0.8	7.5	20
D20	23	27	30	0.8	7.5	20
				1.0	10	
D25	28	31	35	1.0	12.5	20

T Thickness (Max.)

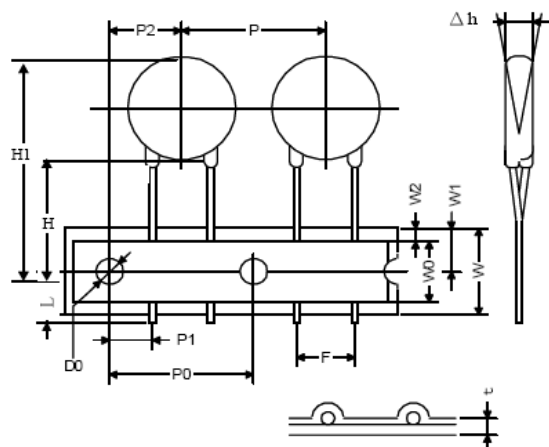
unit: mm

Part Code	D05	D07	D10	D14	D20	D25
182K	---	---	12.5	12.5	15.6	16.6
152K	---	---	11.0	11.0	13.2	13.5
122K	---	---	---	---	---	11.5
112K	---	---	8.5	8.5	10.1	10.8
102K	---	---	8.3	8.3	9.5	10.5
911K	---	---	8.1	8.1	9.0	9.6
821K	---	6.9	7.9	7.9	8.5	9.1
781K	---	6.7	7.7	7.7	8.4	8.7
751K	6.5	6.5	7.5	7.5	8.2	8.5
681K	6.4	6.4	7.1	7.1	7.8	8.3
621K	6.4	6.4	7.1	7.1	7.5	7.6
561K	6.2	6.2	6.7	6.7	7.0	7.3
511K	5.8	5.8	6.4	6.4	6.8	7.0
471K	5.6	5.6	6.1	6.1	6.6	6.8
431K	5.3	5.3	5.9	5.9	6.4	6.5
391K	5.1	5.1	5.7	5.7	6.2	6.3
361K	5.0	5.0	5.5	5.5	6.2	6.2
331K	4.8	4.8	5.3	5.3	5.9	6.1
301K	4.7	4.7	5.1	5.1	5.7	6.1
271K	4.5	4.5	5.0	5.0	5.6	6.0
251K	4.4	4.4	4.9	4.9	5.5	---
241K	4.3	4.3	4.8	4.8	5.4	5.7
221K	4.2	4.2	4.7	4.7	5.3	5.6
201K	4.1	4.1	4.5	4.5	5.0	5.5
181K	4.1	4.1	4.5	4.5	5.0	---
151K	4.8	4.8	5.2	5.2	5.6	---
121K	4.5	4.5	4.9	4.9	5.3	---
101K	4.3	4.3	4.7	4.7	5.1	---
820K	4.1	4.1	4.5	4.5	4.9	---
680K	4.5	5.2	5.3	5.3	5.8	---
560K	4.5	5.0	5.1	5.1	5.7	---
470K	4.5	4.9	5.0	5.0	5.6	---
390K	4.5	4.8	4.9	4.9	5.5	---
330K	4.5	4.9	5.0	5.0	5.4	---
270K	4.5	4.7	4.8	4.8	5.3	---
220K	4.5	4.6	4.7	4.7	5.2	---
180L	4.5	4.5	4.6	4.6	5.1	---
120M	4.3	4.3	4.5	4.5	---	---
8R0M	4.3	4.3	---	---	---	---

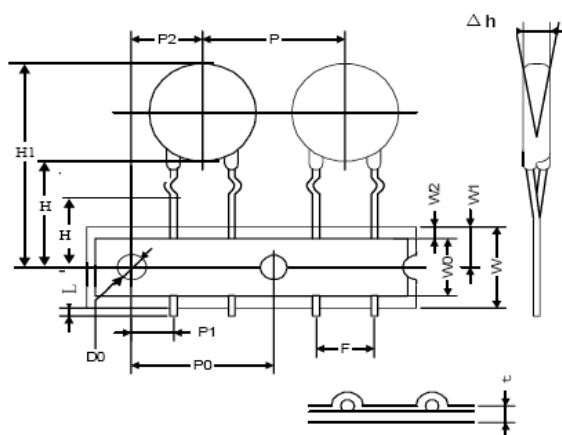
Taping Specifications

捲裝規範

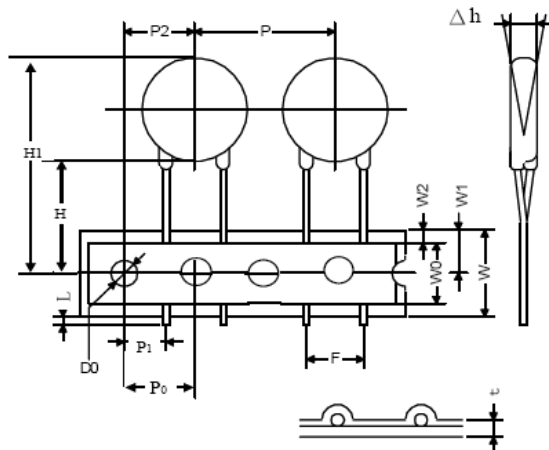
Straight Leads (5D,7D,10D)



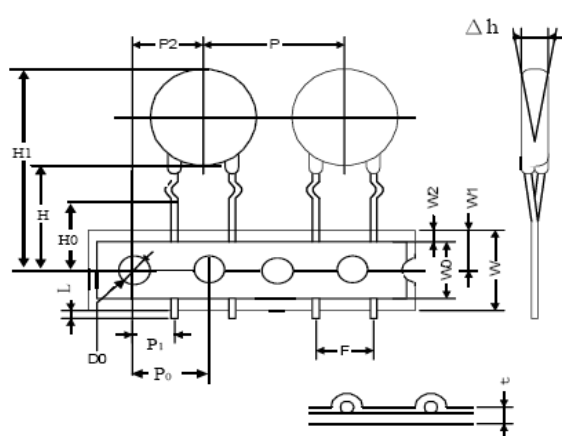
Crimped Leads (5D,7D,10D)



Straight Leads (10D,14D,20D)



Crimped Leads (10D,14D,20D)



Symbol	Parameter	05D	07D	10D		14D	20D	
P	Pitch of Component	12.7 ± 1.0	12.7 ± 1.0	12.7 ± 1.0	25.4 ± 1.0	25.4 ± 1.0	25.4 ± 1.0	
P0	Feed Hole Pitch	12.7 ± 0.3	12.7 ± 0.3	12.7 ± 0.3	12.7 ± 0.3	12.7 ± 0.3	12.7 ± 0.3	
P1	Feed Hole Center to Lead	3.85 ± 0.7	3.85 ± 0.7	3.85 ± 0.7	8.95 ± 0.7	8.95 ± 0.7	8.95 ± 0.7	7.7 ± 0.7
P2	Hole Center to Component Center	6.35 ± 1.3	6.35 ± 1.3	6.35 ± 1.3	12.7 ± 1.3	12.7 ± 1.3	12.7 ± 1.3	
F	Lead to Lead Distance	5.0 ± 0.8	5.0 ± 0.8	5.0 ± 0.8	7.5 ± 0.8	7.5 ± 0.8	7.5 ± 0.8	10 ± 0.8
Δh	Component Alignment	0 ± 0.2	0 ± 0.2	0 ± 0.2	0 ± 0.2	0 ± 0.2	0 ± 0.2	
W	Tape Width	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0		18.0 ± 1.0	18.0 ± 1.0	
W0	Hold Down Tape Width	12.5max	12.5max	12.5max		12.5max	12.5max	
W1	Hold Position	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5		9.0 ± 0.5	9.0 ± 0.5	
W2	Hold Down Tape Position	3.0max	3.0max	3.0max		3.0max	3.0max	
H	Height from Tape Center to Component	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0		20.0 ± 2.0	20.0 ± 2.0	
H1	Component Height	29.0max	32.0max	36.0max		40.0max	46.5max	
H0(Y,C)	Height from Tape Center to Component	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0		16.0 ± 1.0	16.0 ± 1.0	
L	Length of Clipped Lead	1.0max	1.0max	1.0max		1.0max	1.0max	
D0	Feed Hole Diameter	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2		4.0 ± 0.2	4.0 ± 0.2	
t	Total Tape Thickness	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3		0.6 ± 0.3	0.6 ± 0.3	