Varistor Type MYG

Features

- Wide Varistor voltage range (18V ~ 1100V)
- Excellent non-linearity and protection level
- Large withstanding surge current
- Fast response （≤20ns）



Applications

- Protection of semiconductors
- Surge protection of consumer equipment
- Surge protection of communication, measuring or controller instrument
- Relay or electromagnetic Valve surge absorption

Explanation of Part Numbers

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Element Size

Varistor Voltage

The first two digits are Significant figures and the third one denotes number of zeros following

Voltage Tolerance

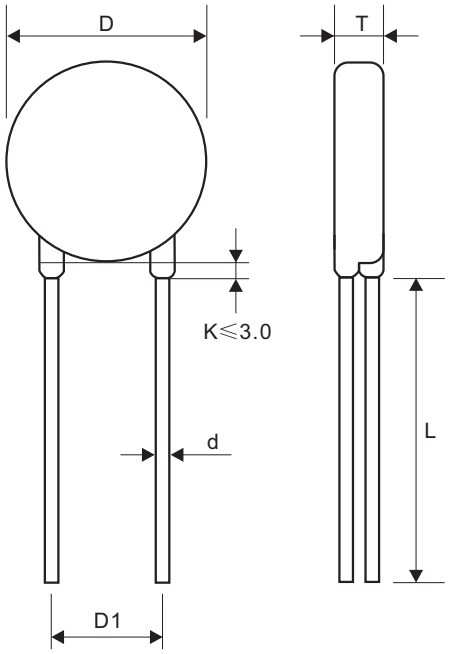
K:±10%

Surge Series

No suffix:standard type

J : High surge type

Dimension



Rang of voltage (V)	Dimensions(mm)				
	Dmax	Tmax	Lmin	d±0.2	D1±1.0
18-68	11.0	4.6	20	0.8	7.5
82-1100	12.0	8.9	20	0.8	7.5

Electrical Characteristics

Part Number		Maximum Allowable Voltage		Max Peak Current (8/20μs)(A)		Rated Power	Maximum Energy 10/1000μs (J)		Varistor Voltage	Maximum Clamping Voltage		Typical Capacitance (Reference)
Standard	High Surge	V_{AC} (V)	V_{DC} (V)	Standard	High Surge	W	Standard	High Surge	V_{1mA}(V)	Vc(V)	Ip(A)	@1KHz(pF)
10D112K	10D112KJ	680	895	2500	3500	0. 4	115.0	155.0	1100(990 ~ 1210)	1815	25	80
10D102K	10D102KJ	625	825				102.0	140.0	1000(900 ~ 1100)	1650	25	90
10D911K	10D911KJ	550	745				93.0	130.0	910(819 ~ 1001)	1500	25	100
10D821K	10D821KJ	510	670				85.0	110.0	820(738 ~ 902)	1355	25	110
10D781K	10D781KJ	485	640				75.0	100.0	780(702 ~ 858)	1290	25	120
10D751K	10D751KJ	460	615				75.0	100.0	750(675 ~ 825)	1240	25	120
10D681K	10D681KJ	420	560				70.0	92.0	680(612 ~ 748)	1120	25	130
10D621K	10D621KJ	385	505				70.0	92.0	620(558 ~ 682)	1025	25	130
10D561K	10D561KJ	350	455				70.0	92.0	560(504 ~ 616)	925	25	190
10D511K	10D511KJ	320	415				70.0	92.0	510(459 ~ 561)	845	25	210
10D471K	10D471KJ	300	385				70.0	85.0	470(423 ~ 517)	775	25	230
10D431K	10D431KJ	275	350				65.0	80.0	430(387 ~ 473)	710	25	250
10D391K	10D391KJ	250	320				60.0	70.0	390(351 ~ 429)	650	25	270
10D361K	10D361KJ	230	300				47.0	65.0	360(324 ~ 396)	595	25	300
10D331K	10D331KJ	210	275				43.0	58.0	330(297 ~ 363)	550	25	330
10D301K	10D301KJ	195	250				40.0	54.0	300(270 ~ 330)	500	25	340
10D271K	10D271KJ	175	225				40.0	49.0	270(243 ~ 297)	455	25	350
10D241K	10D241KJ	150	200				35.0	42.0	240(216 ~ 264)	395	25	400
10D221K	10D221KJ	140	180				32.0	39.0	220(198 ~ 242)	360	25	450
10D201K	10D201KJ	130	170				30.0	35.0	200(180 ~ 220)	340	25	500
10D181K	10D181KJ	115	150				27.0	30.0	180(162 ~ 198)	300	25	750
10D151K	10D151KJ	95	125				22.0	25.0	150(135 ~ 165)	250	25	900
10D121K	10D121KJ	75	100				18.0	20.0	120(108 ~ 132)	200	25	1100
10D101K	10D101KJ	60	85				15.0	17.0	100(90 ~ 110)	165	25	1400
10D820K	10D820KJ	50	65				12.0	14.0	82(74 ~ 90)	135	25	1800
10D680K	10D680KJ	40	56	500	1000	0. 05	8.2	9.8	68(61 ~ 75)	135	5	1300
10D560K	10D560KJ	35	45				7.0	8.1	56(50 ~ 62)	110	5	1750
10D470K	10D470KJ	30	38				5.5	6.8	47(42 ~ 52)	93	5	2100
10D390K	10D390KJ	25	31				4.6	5.6	39(35 ~ 43)	77	5	2600
10D330K	10D330KJ	20	26				4.0	4.8	33(30 ~ 36)	65	5	2900
10D270K	10D270KJ	17	22				3.0	3.9	27(24 ~ 30)	53	5	3900
10D220K	10D220KJ	14	18				2.5	3.2	22(20 ~ 24)	43	5	5500
10D180K	10D180KJ	11	14				2.1	2.6	18(15 ~ 21)	36	5	7300

Note:1.Operating Temperature Range: -40℃～+85℃
Storage Temperature Range: -40℃～+125℃