

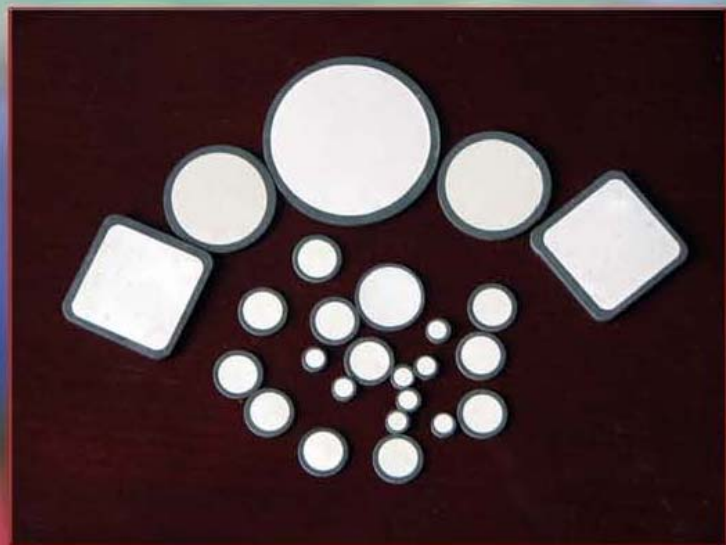
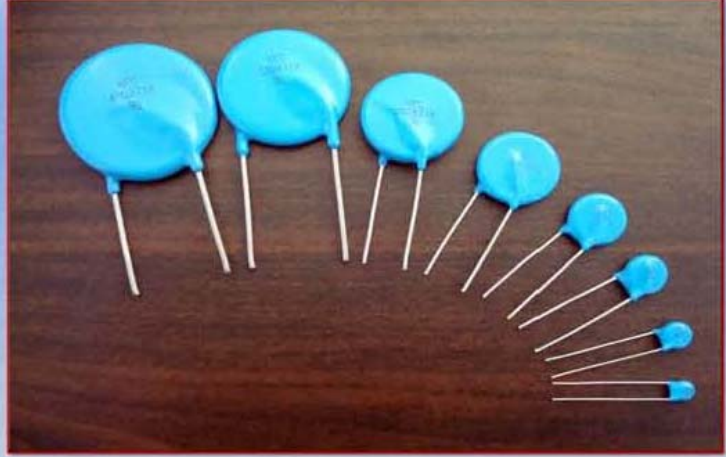
2011-09-01

Catalog

| | | |
|-----|---------------------|----|
| I | Varistor Type MYG | 3 |
| II | Varistor Type MYL1) | 18 |
| III | Varistor Type MYL3 | 25 |
| IV | Varistor Type MYL5 | 28 |
| V | Varistor Type SPD | 33 |



华巨电子 压敏电阻 SPD防雷模块 压敏芯片



I Varistor Type MYG

Type MYG Varistors are made of semiconductor ceramic materials composed mainly of zinc oxide. They have non-linear resistance that changes as a function of applied voltage. It has small size, high current capacity ,and high protection level.

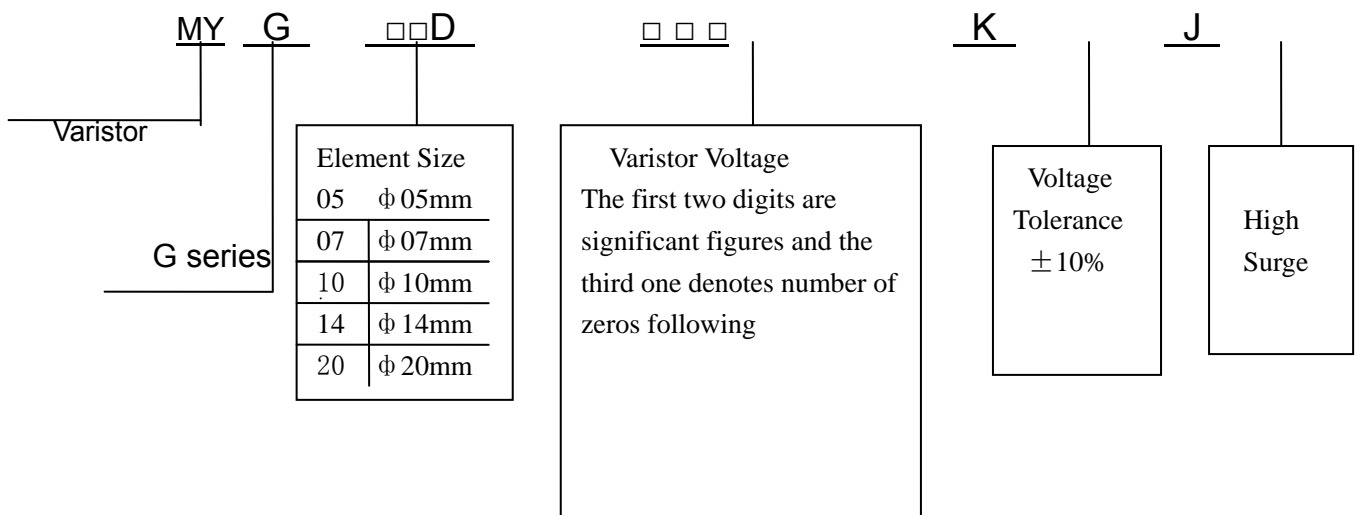
1. (Features)

- Wide Varistor voltage range (18V~1800V)
- Excellent non-linearity and protection level
- Large withstanding surge current
- Fast response ($\leq 20\text{ns}$)

2. (Recommended Applications)

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

3. Explanation of Part numbers





4. Specification and Electrical Characteristics

| STANDARD | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20μs (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) |
|----------|------------------|-------------------------|-------|-----------------------|-------|------------|------------------------------|-------|-------------|--------------------------------|
| | | Acrms(V) | DC(V) | Vc(V) | Ip(A) | | 10/1000 μs | 1time | | |
| 05D180K | 18 (16~20) | 11 | 14 | 40 | 1 | 0.4 | 100 | 50 | 0.01 | 1300 |
| 07D180K | | | | 36 | 2.5 | 0.9 | 250 | 125 | 0.02 | 2400 |
| 10D180K | | | | 36 | 5 | 2.1 | 500 | 250 | 0.05 | 4500 |
| 14D180K | | | | 36 | 10 | 4.0 | 1000 | 500 | 0.1 | 10000 |
| 20D180K | | | | 36 | 20 | 11 | 2000 | 1000 | 0.2 | 19000 |
| 05D220K | 22 (20~24) | 14 | 18 | 48 | 1 | 0.5 | 100 | 50 | 0.01 | 1000 |
| 07D220K | | | | 43 | 2.5 | 1.1 | 250 | 125 | 0.02 | 2000 |
| 10D220K | | | | 43 | 5 | 2.5 | 500 | 250 | 0.05 | 3500 |
| 14D220K | | | | 43 | 10 | 5.0 | 1000 | 500 | 0.1 | 8500 |
| 20D220K | | | | 43 | 20 | 14 | 2000 | 1000 | 0.2 | 16000 |
| 05D270K | 27 (24~30) | 17 | 22 | 60 | 1 | 0.6 | 100 | 50 | 0.01 | 850 |
| 07D270K | | | | 53 | 2.5 | 1.4 | 250 | 125 | 0.02 | 1600 |
| 10D270K | | | | 53 | 5 | 3.0 | 500 | 250 | 0.05 | 3000 |
| 14D270K | | | | 53 | 10 | 6.0 | 1000 | 500 | 0.1 | 7000 |
| 20D270K | | | | 53 | 20 | 18 | 2000 | 1000 | 0.2 | 14500 |
| 05D330K | 33 (30~36) | 20 | 26 | 73 | 1 | 0.8 | 100 | 50 | 0.01 | 700 |
| 07D330K | | | | 65 | 2.5 | 1.7 | 250 | 125 | 0.02 | 1300 |
| 10D330K | | | | 65 | 5 | 4.0 | 500 | 250 | 0.05 | 2500 |
| 14D330K | | | | 65 | 10 | 7.5 | 1000 | 500 | 0.1 | 6000 |
| 20D330K | | | | 65 | 20 | 23 | 2000 | 1000 | 0.2 | 13000 |
| 05D390K | 39 (35~43) | 25 | 31 | 86 | 1 | 0.9 | 100 | 50 | 0.01 | 600 |
| 07D390K | | | | 77 | 2.5 | 2.1 | 250 | 125 | 0.02 | 1200 |
| 10D390K | | | | 77 | 5 | 4.6 | 500 | 250 | 0.05 | 2000 |
| 14D390K | | | | 77 | 10 | 8.6 | 1000 | 500 | 0.1 | 4800 |
| 20D390K | | | | 77 | 20 | 26 | 2000 | 1000 | 0.2 | 12000 |
| 05D470K | 47 (42~52) | 30 | 38 | 104 | 1 | 1.1 | 100 | 50 | 0.01 | 500 |
| 07D470K | | | | 93 | 2.5 | 2.5 | 250 | 125 | 0.02 | 1100 |
| 10D470K | | | | 93 | 5 | 5.5 | 500 | 250 | 0.05 | 1500 |
| 14D470K | | | | 93 | 10 | 10 | 1000 | 500 | 0.1 | 3800 |
| 20D470K | | | | 93 | 20 | 33 | 2000 | 1000 | 0.2 | 11000 |
| 05D560K | 56 (50~62) | 35 | 45 | 123 | 1 | 1.3 | 100 | 50 | 0.01 | 400 |
| 07D560K | | | | 110 | 2.5 | 3.1 | 250 | 125 | 0.02 | 1000 |
| 10D560K | | | | 110 | 5 | 7.0 | 500 | 250 | 0.05 | 1350 |
| 14D560K | | | | 110 | 10 | 11 | 1000 | 500 | 0.1 | 3300 |
| 20D560K | | | | 110 | 20 | 41 | 2000 | 1000 | 0.2 | 9000 |
| 05D680K | 68 (61~75) | 40 | 56 | 150 | 1 | 1.6 | 100 | 50 | 0.01 | 330 |
| 07D680K | | | | 135 | 2.5 | 3.6 | 250 | 125 | 0.02 | 850 |
| 10D680K | | | | 135 | 5 | 8.2 | 500 | 250 | 0.05 | 1250 |
| 14D680K | | | | 135 | 10 | 14 | 1000 | 500 | 0.1 | 2700 |
| 20D680K | | | | 135 | 20 | 46 | 2000 | 1000 | 0.2 | 7500 |



SINOCHIP(NANJING) ELECTRONIC CO.,LTD

| STANDARD | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | PEAK CURRENT 8/20 μ s (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) |
|----------|------------------|-------------------------|-------|-----------------------|-------|-----------------|----------------------------------|--------|-------------|--------------------------------------|
| | V | ACrms(V) | DC(V) | Vc(V) | Ip(A) | 10/1000 μ s | 1time | 2times | W | pF |
| 05D820K | 82 (74~90) | 50 | 65 | 145 | 5 | 2.5 | 400 | 200 | 0.1 | 250 |
| 07D820K | | | | 135 | 10 | 5.5 | 1250 | 600 | 0.25 | 460 |
| 10D820K | | | | 135 | 25 | 12 | 2500 | 1300 | 0.4 | 1000 |
| 14D820K | | | | 135 | 50 | 22 | 4500 | 2500 | 0.6 | 2100 |
| 20D820K | | | | 135 | 100 | 48 | 6500 | 4000 | 1.0 | 4800 |
| 05D101K | 100 (90~110) | 60 | 85 | 175 | 5 | 3.0 | 400 | 200 | 0.1 | 230 |
| 07D101K | | | | 165 | 10 | 6.5 | 1250 | 600 | 0.25 | 420 |
| 10D101K | | | | 165 | 25 | 15 | 2500 | 1300 | 0.4 | 920 |
| 14D101K | | | | 165 | 50 | 28 | 4500 | 2500 | 0.6 | 1900 |
| 20D101K | | | | 165 | 100 | 51 | 6500 | 4000 | 1.0 | 3900 |
| 05D121K | 120 (108~132) | 75 | 100 | 210 | 5 | 4.0 | 400 | 200 | 0.1 | 210 |
| 07D121K | | | | 200 | 10 | 7.8 | 1250 | 600 | 0.25 | 380 |
| 10D121K | | | | 200 | 25 | 18 | 2500 | 1300 | 0.4 | 830 |
| 14D121K | | | | 200 | 50 | 32 | 4500 | 2500 | 0.6 | 1700 |
| 20D121K | | | | 200 | 100 | 55 | 6500 | 4000 | 1.0 | 3300 |
| 05D151K | 150 (135~165) | 95 | 125 | 260 | 5 | 4.8 | 400 | 200 | 0.1 | 190 |
| 07D151K | | | | 250 | 10 | 9.7 | 1250 | 600 | 0.25 | 350 |
| 10D151K | | | | 250 | 25 | 22 | 2500 | 1300 | 0.4 | 760 |
| 14D151K | | | | 250 | 50 | 40 | 4500 | 2500 | 0.6 | 940 |
| 20D151K | | | | 250 | 100 | 70 | 6500 | 4000 | 1.0 | 1950 |
| 05D181K | 180 (162~198) | 115 | 150 | 315 | 5 | 5.9 | 400 | 200 | 0.1 | 70 |
| 07D181K | | | | 300 | 10 | 11.7 | 1250 | 600 | 0.25 | 155 |
| 10D181K | | | | 300 | 25 | 27 | 2500 | 1300 | 0.4 | 310 |
| 14D181K | | | | 300 | 50 | 52 | 4500 | 2500 | 0.6 | 800 |
| 20D181K | | | | 300 | 100 | 84 | 6500 | 4000 | 1.0 | 1620 |
| 05D201K | 200 (180~220) | 130 | 170 | 355 | 5 | 6.5 | 400 | 200 | 0.1 | 65 |
| 07D201K | | | | 340 | 10 | 13 | 1250 | 600 | 0.25 | 140 |
| 10D201K | | | | 340 | 25 | 30 | 2500 | 1300 | 0.4 | 290 |
| 14D201K | | | | 340 | 50 | 57 | 4500 | 2500 | 0.6 | 700 |
| 20D201K | | | | 340 | 100 | 95 | 6500 | 4000 | 1.0 | 1460 |
| 05D221K | 220 (198~242) | 140 | 180 | 380 | 5 | 7.0 | 400 | 200 | 0.1 | 60 |
| 07D221K | | | | 360 | 10 | 14 | 1250 | 600 | 0.25 | 130 |
| 10D221K | | | | 360 | 25 | 32 | 2500 | 1300 | 0.4 | 270 |
| 14D221K | | | | 360 | 50 | 60 | 4500 | 2500 | 0.6 | 640 |
| 20D221K | | | | 360 | 100 | 100 | 6500 | 4000 | 1.0 | 1320 |
| 05D241K | 240 (216~264) | 150 | 200 | 415 | 5 | 8.0 | 400 | 200 | 0.1 | 55 |
| 07D241K | | | | 395 | 10 | 15 | 1250 | 600 | 0.25 | 120 |
| 10D241K | | | | 395 | 25 | 35 | 2500 | 1300 | 0.4 | 240 |
| 14D241K | | | | 395 | 50 | 63 | 4500 | 2500 | 0.6 | 580 |
| 20D241K | | | | 395 | 100 | 108 | 6500 | 4000 | 1.0 | 1200 |



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| STANDARD | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) |
|----------|------------------|-------------------------|-------|-----------------------|-------|------------|---------------------------------------|-------|-------------|--------------------------------------|
| | | ACrms(V) | DC(V) | Vc(V) | Ip(A) | | 10/1000 μ s | 1time | | |
| 05D271K | 270 (243~297) | 175 | 225 | 475 | 5 | 8.5 | 400 | 200 | 0.1 | 50 |
| 07D271K | | | | 455 | 10 | 18 | 1250 | 600 | 0.25 | 110 |
| 10D271K | | | | 455 | 25 | 40 | 2500 | 1300 | 0.4 | 230 |
| 14D271K | | | | 455 | 50 | 70 | 4500 | 2500 | 0.6 | 520 |
| 20D271K | | | | 455 | 100 | 127 | 6500 | 4000 | 1.0 | 1100 |
| 05D331K | 330 (297~363) | 210 | 275 | 580 | 5 | 9.2 | 400 | 200 | 0.1 | 45 |
| 07D331K | | | | 550 | 10 | 23 | 1250 | 600 | 0.25 | 100 |
| 10D331K | | | | 550 | 25 | 43 | 2500 | 1300 | 0.4 | 200 |
| 14D331K | | | | 550 | 50 | 85 | 4500 | 2500 | 0.6 | 450 |
| 20D331K | | | | 550 | 100 | 150 | 6500 | 4000 | 1.0 | 950 |
| 05D361K | 360 (324~396) | 230 | 300 | 620 | 5 | 10 | 400 | 200 | 0.1 | 45 |
| 07D361K | | | | 595 | 10 | 25 | 1250 | 600 | 0.25 | 95 |
| 10D361K | | | | 595 | 25 | 47 | 2500 | 1300 | 0.4 | 190 |
| 14D361K | | | | 595 | 50 | 93 | 4500 | 2500 | 0.6 | 430 |
| 20D361K | | | | 595 | 100 | 163 | 6500 | 4000 | 1.0 | 900 |
| 05D391K | 390 (351~429) | 250 | 320 | 675 | 5 | 12 | 400 | 200 | 0.1 | 40 |
| 07D391K | | | | 650 | 10 | 25 | 1250 | 600 | 0.25 | 85 |
| 10D391K | | | | 650 | 25 | 60 | 2500 | 1300 | 0.4 | 175 |
| 14D391K | | | | 650 | 50 | 100 | 4500 | 2500 | 0.6 | 390 |
| 20D391K | | | | 650 | 100 | 180 | 6500 | 4000 | 1.0 | 800 |
| 05D431K | 430 (387~473) | 275 | 350 | 745 | 5 | 13 | 400 | 200 | 0.1 | 35 |
| 07D431K | | | | 710 | 10 | 28 | 1250 | 600 | 0.25 | 80 |
| 10D431K | | | | 710 | 25 | 65 | 2500 | 1300 | 0.4 | 160 |
| 14D431K | | | | 710 | 50 | 115 | 4500 | 2500 | 0.6 | 370 |
| 20D431K | | | | 710 | 100 | 190 | 6500 | 4000 | 1.0 | 700 |
| 05D471K | 470 (423~517) | 300 | 385 | 810 | 5 | 15 | 400 | 200 | 0.1 | 30 |
| 07D471K | | | | 775 | 10 | 30 | 1250 | 600 | 0.25 | 70 |
| 10D471K | | | | 775 | 25 | 70 | 2500 | 1300 | 0.4 | 150 |
| 14D471K | | | | 775 | 50 | 125 | 4500 | 2500 | 0.6 | 320 |
| 20D471K | | | | 775 | 100 | 220 | 6500 | 4000 | 1.0 | 620 |
| 07D511K | 511 (459~561) | 320 | 415 | 845 | 10 | 33 | 1250 | 600 | 0.25 | 65 |
| 10D511K | | | | 845 | 25 | 70 | 2500 | 1300 | 0.4 | 130 |
| 14D511K | | | | 845 | 50 | 125 | 4500 | 2500 | 0.6 | 290 |
| 20D511K | | | | 845 | 100 | 220 | 6500 | 4000 | 1.0 | 530 |
| 10D561K | 560 (504~616) | 350 | 455 | 925 | 25 | 70 | 2500 | 1300 | 0.4 | 120 |
| 14D561K | | | | 925 | 50 | 125 | 4500 | 2500 | 0.6 | 260 |
| 20D561K | | | | 925 | 100 | 220 | 6500 | 4000 | 1.0 | 480 |



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| STANDARD | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER W | CAPACITANCE (REFERENCE) (1KHZ) pF |
|----------|---------------------|-------------------------|-------|-----------------------|-------|------------|------------------------------------|--------|---------------|-----------------------------------|
| | | ACrms(V) | DC(V) | Vc(V) | Ip(A) | | 1time | 2times | | |
| 10D621K | 620 (558~682) | 385 | 505 | 1025 | 25 | 70 | 2500 | 1300 | 0.4 | 110 |
| 14D621K | | | | 1025 | 50 | 125 | 4500 | 2500 | 0.6 | 240 |
| 20D621K | | | | 1025 | 100 | 220 | 6500 | 4000 | 1.0 | 450 |
| 10D681K | 680 (612~748) | 420 | 560 | 1120 | 25 | 70 | 2500 | 1300 | 0.4 | 100 |
| 14D681K | | | | 1120 | 50 | 130 | 4500 | 2500 | 0.6 | 230 |
| 20D681K | | | | 1120 | 100 | 230 | 6500 | 4000 | 1.0 | 440 |
| 10D751K | 750 (675~825) | 460 | 615 | 1240 | 25 | 75 | 2500 | 1300 | 0.4 | 90 |
| 14D751K | | | | 1240 | 50 | 143 | 4500 | 2500 | 0.6 | 220 |
| 20D751K | | | | 1240 | 100 | 255 | 6500 | 4000 | 1.0 | 420 |
| 10D781K | 780 (702~858) | 485 | 640 | 1290 | 25 | 75 | 2500 | 1300 | 0.4 | 85 |
| 14D781K | | | | 1290 | 50 | 150 | 4500 | 2500 | 0.6 | 220 |
| 20D781K | | | | 1290 | 100 | 265 | 6500 | 4000 | 1.0 | 410 |
| 10D821K | 820 (738~902) | 510 | 670 | 1355 | 25 | 85 | 2500 | 1300 | 0.4 | 80 |
| 14D821K | | | | 1355 | 50 | 157 | 4500 | 2500 | 0.6 | 180 |
| 20D821K | | | | 1355 | 100 | 282 | 6500 | 4000 | 1.0 | 390 |
| 10D911K | 910 (819~1001) | 550 | 745 | 1500 | 25 | 93 | 2500 | 1300 | 0.4 | 70 |
| 14D911K | | | | 1500 | 50 | 175 | 4500 | 2500 | 0.6 | 170 |
| 20D911K | | | | 1500 | 100 | 310 | 6500 | 4000 | 1.0 | 360 |
| 10D102K | 1000 (900~1000) | 625 | 825 | 1650 | 25 | 102 | 2500 | 1300 | 0.4 | 65 |
| 14D102K | | | | 1650 | 50 | 190 | 4500 | 2500 | 0.6 | 150 |
| 20D102K | | | | 1650 | 100 | 342 | 6500 | 4000 | 1.0 | 330 |
| 10D112K | 1100 (990~1210) | 680 | 895 | 1815 | 25 | 115 | 2500 | 1300 | 0.4 | 60 |
| 14D112K | | | | 1815 | 50 | 213 | 4500 | 2500 | 0.6 | 140 |
| 20D112K | | | | 1815 | 100 | 383 | 6500 | 4000 | 1.0 | 310 |
| 14D182K | 1800 (1620~1980) | 1000 | 1465 | 2970 | 50 | 354 | 4500 | 2500 | 0.6 | 85 |
| 20D182K | | | | 2970 | 100 | 620 | 6500 | 4000 | 1.0 | 85 |





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| HIGH SURGE | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) pF |
|------------|------------------|-------------------------|----------|-----------------------|-------|------------|---------------------------------------|-----------------|-------------|--|
| | | V | Acrms(V) | DC(V) | Vc(V) | | Ip(A) | 10/1000 μ s | | |
| 05D180KJ | 18 (16~20) | 11 | 14 | 40 | 1 | 0.6 | 250 | 125 | 0.01 | 1550 |
| 07D180KJ | | | | 36 | 2.5 | 1.1 | 500 | 250 | 0.02 | 3400 |
| 10D180KJ | | | | 36 | 5 | 2.6 | 1000 | 500 | 0.05 | 7300 |
| 14D180KJ | | | | 36 | 10 | 5.2 | 2000 | 1000 | 0.1 | 7000 |
| 20D180KJ | | | | 36 | 20 | 13 | 3000 | 2000 | 0.2 | 5000 |
| 05D220KJ | 22 (20~24) | 14 | 18 | 48 | 1 | 0.7 | 250 | 125 | 0.01 | 1250 |
| 07D220KJ | | | | 43 | 2.5 | 1.3 | 500 | 250 | 0.02 | 2700 |
| 10D220KJ | | | | 43 | 5 | 3.2 | 1000 | 500 | 0.05 | 5500 |
| 14D220KJ | | | | 43 | 10 | 6.3 | 2000 | 1000 | 0.1 | 14000 |
| 20D220KJ | | | | 43 | 20 | 16 | 3000 | 2000 | 0.2 | 29000 |
| 05D270KJ | 27 (24~30) | 17 | 22 | 60 | 1 | 0.9 | 250 | 125 | 0.01 | 1000 |
| 07D270KJ | | | | 53 | 2.5 | 1.6 | 500 | 250 | 0.02 | 1900 |
| 10D270KJ | | | | 53 | 5 | 3.9 | 1000 | 500 | 0.05 | 3900 |
| 14D270KJ | | | | 53 | 10 | 7.8 | 2000 | 1000 | 0.1 | 9500 |
| 20D270KJ | | | | 53 | 20 | 19 | 3000 | 2000 | 0.2 | 21000 |
| 05D330KJ | 33 (30~36) | 20 | 26 | 73 | 1 | 1.1 | 250 | 125 | 0.01 | 900 |
| 07D330KJ | | | | 65 | 2.5 | 2.0 | 500 | 250 | 0.02 | 1450 |
| 10D330KJ | | | | 65 | 5 | 4.8 | 1000 | 500 | 0.05 | 2900 |
| 14D330KJ | | | | 65 | 10 | 9.5 | 2000 | 1000 | 0.1 | 7200 |
| 20D330KJ | | | | 65 | 20 | 24 | 3000 | 2000 | 0.2 | 16000 |
| 05D390KJ | 39 (35~43) | 25 | 31 | 86 | 1 | 1.2 | 250 | 125 | 0.01 | 500 |
| 07D390KJ | | | | 77 | 2.5 | 2.4 | 500 | 250 | 0.02 | 1350 |
| 10D390KJ | | | | 77 | 5 | 5.6 | 1000 | 500 | 0.05 | 2600 |
| 14D390KJ | | | | 77 | 10 | 11 | 2000 | 1000 | 0.1 | 6400 |
| 20D390KJ | | | | 77 | 20 | 28 | 3000 | 2000 | 0.2 | 14000 |
| 05D470KJ | 47 (42~52) | 30 | 38 | 104 | 1 | 1.5 | 250 | 125 | 0.01 | 450 |
| 07D470KJ | | | | 93 | 2.5 | 2.8 | 500 | 250 | 0.02 | 1150 |
| 10D470KJ | | | | 93 | 5 | 6.8 | 1000 | 500 | 0.05 | 2100 |
| 14D470KJ | | | | 93 | 10 | 14 | 2000 | 1000 | 0.1 | 5200 |
| 20D470KJ | | | | 93 | 20 | 34 | 3000 | 2000 | 0.2 | 12500 |
| 05D560KJ | 56 (50~62) | 35 | 45 | 123 | 1 | 1.8 | 250 | 125 | 0.01 | 400 |
| 07D560KJ | | | | 110 | 2.5 | 3.4 | 500 | 250 | 0.02 | 940 |
| 10D560KJ | | | | 110 | 5 | 8.1 | 1000 | 500 | 0.05 | 1750 |
| 14D560KJ | | | | 110 | 10 | 16 | 2000 | 1000 | 0.1 | 4400 |
| 20D560KJ | | | | 110 | 20 | 41 | 3000 | 2000 | 0.2 | 10500 |
| 05D680KJ | 68 (61~75) | 40 | 56 | 150 | 1 | 2.2 | 250 | 125 | 0.01 | 350 |
| 07D680KJ | | | | 135 | 2.5 | 4.1 | 500 | 250 | 0.02 | 700 |
| 10D680KJ | | | | 135 | 5 | 9.8 | 1000 | 500 | 0.05 | 1300 |
| 14D680KJ | | | | 135 | 10 | 20 | 2000 | 1000 | 0.1 | 3300 |
| 20D680KJ | | | | 135 | 20 | 49 | 3000 | 2000 | 0.2 | 7000 |



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| HIGH SURGE | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) |
|------------|------------------|-------------------------|-------|-----------------------|-------|-----------------|---------------------------------------|--------|-------------|--------------------------------------|
| | V | ACrms(V) | DC(V) | Vc(V) | Ip(A) | 10/1000 μ s | 1time | 2times | W | pF |
| 05D820KJ | 82 (74~90) | 50 | 65 | 145 | 5 | 3.5 | 800 | 600 | 0.1 | 250 |
| 07D820KJ | | | | 135 | 10 | 7 | 1750 | 1250 | 0.25 | 550 |
| 10D820KJ | | | | 135 | 25 | 14 | 3500 | 2500 | 0.4 | 1800 |
| 14D820KJ | | | | 135 | 50 | 28 | 6000 | 5000 | 0.6 | 2900 |
| 20D820KJ | | | | 135 | 100 | 56 | 10000 | 7000 | 1.0 | 5500 |
| 05D101KJ | 100 (90~110) | 60 | 85 | 175 | 5 | 4.0 | 800 | 600 | 0.1 | 200 |
| 07D101KJ | | | | 165 | 10 | 8.5 | 1750 | 1250 | 0.25 | 500 |
| 10D101KJ | | | | 165 | 25 | 17 | 3500 | 2500 | 0.4 | 1400 |
| 14D101KJ | | | | 165 | 50 | 35 | 6000 | 5000 | 0.6 | 2400 |
| 20D101KJ | | | | 165 | 100 | 70 | 10000 | 7000 | 1.0 | 4700 |
| 05D121KJ | 120 (108~132) | 75 | 100 | 210 | 5 | 5.0 | 800 | 600 | 0.1 | 170 |
| 07D121KJ | | | | 200 | 10 | 10 | 1750 | 1250 | 0.25 | 450 |
| 10D121KJ | | | | 200 | 25 | 20 | 3500 | 2500 | 0.4 | 1100 |
| 14D121KJ | | | | 200 | 50 | 42 | 6000 | 5000 | 0.6 | 1900 |
| 20D121KJ | | | | 200 | 100 | 85 | 10000 | 7000 | 1.0 | 3800 |
| 05D151KJ | 150 (135~165) | 95 | 125 | 260 | 5 | 6.5 | 800 | 600 | 0.1 | 140 |
| 07D151KJ | | | | 250 | 10 | 13 | 1750 | 1250 | 0.25 | 350 |
| 10D151KJ | | | | 250 | 25 | 25 | 3500 | 2500 | 0.4 | 900 |
| 14D151KJ | | | | 250 | 50 | 53 | 6000 | 5000 | 0.6 | 1500 |
| 20D151KJ | | | | 250 | 100 | 106 | 10000 | 7000 | 1.0 | 3000 |
| 05D181KJ | 180 (162~198) | 115 | 150 | 315 | 5 | 7.5 | 800 | 600 | 0.1 | 120 |
| 07D181KJ | | | | 300 | 10 | 15 | 1750 | 1250 | 0.25 | 350 |
| 10D181KJ | | | | 300 | 25 | 30 | 3500 | 2500 | 0.4 | 750 |
| 14D181KJ | | | | 300 | 50 | 62 | 6000 | 5000 | 0.6 | 1300 |
| 20D181KJ | | | | 300 | 100 | 120 | 10000 | 7000 | 1.0 | 2500 |
| 05D201KJ | 200 (180~220) | 130 | 170 | 355 | 5 | 8.5 | 800 | 600 | 0.1 | 80 |
| 07D201KJ | | | | 340 | 10 | 17.5 | 1750 | 1250 | 0.25 | 250 |
| 10D201KJ | | | | 340 | 25 | 35 | 3500 | 2500 | 0.4 | 500 |
| 14D201KJ | | | | 340 | 50 | 70 | 6000 | 5000 | 0.6 | 1000 |
| 20D201KJ | | | | 340 | 100 | 140 | 10000 | 7000 | 1.0 | 2000 |
| 05D221KJ | 220 (198~242) | 140 | 180 | 380 | 5 | 9 | 800 | 600 | 0.1 | 70 |
| 07D221KJ | | | | 360 | 10 | 19 | 1750 | 1250 | 0.25 | 250 |
| 10D221KJ | | | | 360 | 25 | 39 | 3500 | 2500 | 0.4 | 450 |
| 14D221KJ | | | | 360 | 50 | 78 | 6000 | 5000 | 0.6 | 1000 |
| 20D221KJ | | | | 360 | 100 | 155 | 10000 | 7000 | 1.0 | 2000 |
| 05D241KJ | 240 (216~264) | 150 | 200 | 415 | 5 | 10.5 | 800 | 600 | 0.1 | 70 |
| 07D241KJ | | | | 395 | 10 | 21 | 1750 | 1250 | 0.25 | 200 |
| 10D241KJ | | | | 395 | 25 | 42 | 3500 | 2500 | 0.4 | 400 |
| 14D241KJ | | | | 395 | 50 | 84 | 6000 | 5000 | 0.6 | 900 |



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| 20D241KJ | | | | 395 | 100 | 168 | 10000 | 7000 | 1.0 | 1800 |
|------------|------------------|-------------------------|----------|-----------------------|-------|------------|---------------------------------------|-----------------|-------------|--------------------------------------|
| HIGH SURGE | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER | CAPACITANCE (REFERENCE) (1KHZ) |
| | | V | ACrms(V) | DC(V) | Vc(V) | | Ip(A) | 10/1000 μ s | | |
| 05D271KJ | 270 (243~297) | 175 | 225 | 475 | 5 | 11 | 800 | 600 | 0.1 | 65 |
| 07D271KJ | | | | 455 | 10 | 24 | 1750 | 1250 | 0.25 | 170 |
| 10D271KJ | | | | 455 | 25 | 49 | 3500 | 2500 | 0.4 | 350 |
| 14D271KJ | | | | 455 | 50 | 99 | 6000 | 5000 | 0.6 | 750 |
| 20D271KJ | | | | 455 | 100 | 190 | 10000 | 7000 | 1.0 | 1600 |
| 05D331KJ | 330 (297~363) | 210 | 275 | 580 | 5 | 13.0 | 800 | 600 | 0.1 | 65 |
| 07D331KJ | | | | 550 | 10 | 28 | 1750 | 1250 | 0.25 | 150 |
| 10D331KJ | | | | 550 | 25 | 58 | 3500 | 2500 | 0.4 | 330 |
| 14D331KJ | | | | 550 | 50 | 115 | 6000 | 5000 | 0.6 | 650 |
| 20D331KJ | | | | 550 | 100 | 228 | 10000 | 6500 | 1.0 | 1400 |
| 05D361KJ | 360 (324~396) | 230 | 300 | 620 | 5 | 16 | 800 | 600 | 0.1 | 50 |
| 07D361KJ | | | | 595 | 10 | 32 | 1750 | 1250 | 0.25 | 130 |
| 10D361KJ | | | | 595 | 25 | 65 | 3500 | 2500 | 0.4 | 300 |
| 14D361KJ | | | | 595 | 50 | 130 | 6000 | 5000 | 0.6 | 550 |
| 20D361KJ | | | | 595 | 100 | 255 | 10000 | 6500 | 1.0 | 1200 |
| 05D391KJ | 390 (351~429) | 250 | 320 | 675 | 5 | 17 | 800 | 400 | 0.1 | 50 |
| 07D391KJ | | | | 650 | 10 | 35 | 1750 | 1250 | 0.25 | 130 |
| 10D391KJ | | | | 650 | 25 | 70 | 3500 | 2500 | 0.4 | 270 |
| 14D391KJ | | | | 650 | 50 | 140 | 6000 | 5000 | 0.6 | 500 |
| 20D391KJ | | | | 650 | 100 | 275 | 10000 | 7000 | 1.0 | 1000 |
| 05D431KJ | 430 (387~473) | 275 | 350 | 745 | 5 | 20 | 800 | 600 | 0.1 | 45 |
| 07D431KJ | | | | 710 | 10 | 40 | 1750 | 1250 | 0.25 | 110 |
| 10D431KJ | | | | 710 | 25 | 80 | 3500 | 2500 | 0.4 | 250 |
| 14D431KJ | | | | 710 | 50 | 155 | 6000 | 4500 | 0.6 | 450 |
| 20D431KJ | | | | 710 | 100 | 303 | 10000 | 6500 | 1.0 | 900 |
| 05D471KJ | 470 (423~517) | 300 | 385 | 810 | 5 | 21 | 800 | 600 | 0.1 | 40 |
| 07D471KJ | | | | 775 | 10 | 42 | 1750 | 1250 | 0.25 | 100 |
| 10D471KJ | | | | 775 | 25 | 85 | 3500 | 2500 | 0.4 | 230 |
| 14D471KJ | | | | 775 | 50 | 175 | 6000 | 4500 | 0.6 | 400 |
| 20D471KJ | | | | 775 | 100 | 350 | 10000 | 6500 | 1.0 | 900 |
| 07D511KJ | 511 (459~561) | 320 | 415 | 845 | 10 | 45 | 1750 | 1250 | 0.25 | 38 |
| 10D511KJ | | | | 845 | 25 | 92 | 3500 | 2500 | 0.4 | 210 |
| 14D511KJ | | | | 845 | 50 | 190 | 6000 | 4500 | 0.6 | 350 |
| 20D511KJ | | | | 845 | 100 | 382 | 10000 | 6500 | 1.0 | 800 |
| 10D561KJ | 560 (504~616) | 350 | 460 | 925 | 25 | 92 | 3500 | 2500 | 0.4 | 190 |
| 14D561KJ | | | | 925 | 50 | 190 | 5000 | 4500 | 0.6 | 300 |
| 20D561KJ | | | | 925 | 100 | 382 | 7500 | 6500 | 1.0 | 700 |



| HIGH SURGE | VARISTOR VOLTAGE | MAX. CONTINUOUS VOLTAGE | | MAX. CLAMPING VOLTAGE | | ENERGY (J) | MAX. PEAK CURRENT 8/20 μ s (A) | | RATED POWER W | CAPACITANCE (REFERENCE) (1KHZ) pF |
|------------|---------------------|-------------------------|-------|-----------------------|-------|------------|------------------------------------|-------|---------------|-----------------------------------|
| | | ACrms(V) | DC(V) | Vc(V) | Ip(A) | | 10/1000 μ s | 1time | | |
| 10D621KJ | 620 (558~682) | 385 | 505 | 1025 | 25 | 92 | 3500 | 2500 | 0.4 | 130 |
| 14D621KJ | | | | 1025 | 50 | 190 | 5000 | 4500 | 0.6 | 250 |
| 20D621KJ | | | | 1025 | 100 | 382 | 7500 | 6500 | 1.0 | 500 |
| 10D681KJ | 680 (612~748) | 420 | 560 | 1120 | 25 | 92 | 3500 | 2500 | 0.4 | 130 |
| 14D681KJ | | | | 1120 | 50 | 190 | 5000 | 4500 | 0.6 | 250 |
| 20D681KJ | | | | 1120 | 100 | 382 | 7500 | 6500 | 1.0 | 460 |
| 10D751KJ | 750 (675~825) | 460 | 615 | 1240 | 25 | 100 | 3500 | 2500 | 0.4 | 120 |
| 14D751KJ | | | | 1240 | 50 | 210 | 5000 | 4500 | 0.6 | 230 |
| 20D751KJ | | | | 1240 | 100 | 420 | 7500 | 6500 | 1.0 | 420 |
| 10D781KJ | 780 (702~858) | 485 | 640 | 1290 | 25 | 100 | 3500 | 2500 | 0.4 | 120 |
| 14D781KJ | | | | 1290 | 50 | 210 | 5000 | 4500 | 0.6 | 230 |
| 20D781KJ | | | | 1290 | 100 | 420 | 7500 | 6500 | 1.0 | 420 |
| 10D821KJ | 820 (738~902) | 510 | 670 | 1355 | 25 | 110 | 3500 | 2500 | 0.4 | 110 |
| 14D821KJ | | | | 1355 | 50 | 235 | 5000 | 4500 | 0.6 | 200 |
| 20D821KJ | | | | 1355 | 100 | 460 | 7500 | 6500 | 1.0 | 400 |
| 10D911KJ | 910 (819~1001) | 550 | 745 | 1500 | 25 | 130 | 3500 | 2500 | 0.4 | 100 |
| 14D911KJ | | | | 1500 | 50 | 255 | 5000 | 4500 | 0.6 | 180 |
| 20D911KJ | | | | 1500 | 100 | 510 | 7500 | 6500 | 1.0 | 350 |
| 10D102KJ | 1000 (900~1000) | 625 | 825 | 1650 | 25 | 140 | 3500 | 2500 | 0.4 | 90 |
| 14D102KJ | | | | 1650 | 50 | 280 | 5000 | 4500 | 0.6 | 150 |
| 20D102KJ | | | | 1650 | 100 | 565 | 7500 | 6500 | 1.0 | 320 |
| 10D112KJ | 1100 (990~1210) | 680 | 895 | 1815 | 25 | 155 | 3500 | 2500 | 0.4 | 80 |
| 14D112KJ | | | | 1815 | 50 | 310 | 5000 | 4500 | 0.6 | 150 |
| 20D112KJ | | | | 1815 | 100 | 620 | 7500 | 6500 | 1.0 | 300 |
| 14D182KJ | 1800 (1620~1980) | 1000 | 1465 | 2970 | 50 | 510 | 5000 | 4500 | 0.6 | 100 |
| 20D182KJ | | | | 2970 | 100 | 1020 | 7500 | 6500 | 1.0 | 200 |

注： 1、 Varistor voltage are measured at 0.1 mA for 05D,and at 1 mA for 07D,10D,14D,20D.

2、 Operating Temperature Range: -40 $^{\circ}$ C~+85 $^{\circ}$ C

Storage Temperature Range: -40 $^{\circ}$ C~+125 $^{\circ}$ C

5、 Dimension

| | Range of voltage (V) | Dimensions (mm) | | | |
|-----|----------------------|-----------------|----------|-------|-------|
| | | D max | T max | W±1.0 | d±0.1 |
| 5D | 18-68 | 7.5 | 4.0~5.2 | 5.0 | 0.6 |
| | 81-470 | 7.5 | 4.1~6.2 | 5.0 | 0.6 |
| 7D | 18-68 | 8.5 | 4.1~5.4 | 5.0 | 0.6 |
| | 82-510 | 9.0 | 4.2~6.5 | 5.0 | 0.6 |
| 10D | 18-68 | 12.5 | 4.3~5.5 | 7.5 | 0.8 |
| | 82-1100 | 13.5 | 4.3~9.7 | 7.5 | 0.8 |
| 14D | 18-68 | 16.0 | 4.5~5.7 | 7.5 | 0.8 |
| | 82-1800 | 16.5 | 4.4~15.2 | 7.5 | 0.8 |
| 20D | 18-68 | 23.0 | 4.7~6.0 | 10.0 | 1.0 |
| | 82-1800 | 23.5 | 4.8~15.5 | 10.0 | 1.0 |

6、 precautions

The varistor shall not be operated beyond the specified Ratings and Environmental Conditions in the Catalog or the Specifications to prevent them from deterioration, breakdown, flaming or glowing. Following “Precautions for Safety” and “Application Notes” shall be taken in your major consideration.

★Precautions for Safety:

- The temperature of the working environment of the varistor must fall in the range required by technical conditions.
- The varistor shall not be operated exceeding the specified Maximum Allowable Voltage in the Catalog or the Specification.
- The varistor shall not be operated beyond the “Maximum Peak Current Rations” in the Catalog.
- It is recommended that the varistor shall be located 3mm away from other hest generating or combustible components.

★Warning:

- When the varistor are applied between alive part and a metallic chassis of equipment, following safety countermeasures shall be taken to protect human from electric shock.
 - A) The metallic chassis shall be earthed to the ground.
 - B) A protective device against electric leakage must be installed in the equipment, or alternatively ,a thermal type fuse should be attached closely to the varistor and series connected within its circuit.
 - C)The live part shall be equippped with a protective cover for preventing electric shock

★ Applicative Notes

● **Protective Devices for Varistors**

Precause measures are to be taken against the accident damage

- 1) In case of “Across the Line Use”, the Varistor shall be protected by connecting a ground fault circuit interrupter or fusing in series to the devices.
- 2) In case of “Line to Ground Use” the short-circuit of the varistor may not blow the current type fuse due to the grounding resistance (between Line and Ground) which may cause flaming or burnout of the devices in the worst case. Following safety countermeasures (a or b) are recommended.
 - a) Connecting a “leakage current circuit breaker” in series to the varistor t to be protected.
 - b) Use current type fuses and thermal type fuse which are themally coupled with the varistor each other

● **Selection of Varistor Voltage Rating**

1)General Precautions

In selection of Varistor Voltage Rating for line protection, following general precautions shall be taken in your consideration.

- A) Maximum operating voltage shall be lower than the specified “Maximum Allowable voltage” of the varistor applied.
- B) In selection of the varistor, reasonable margin is required against fluctuation of the primary line (or circuit) voltage. Special consideration must be given to load unbalance of separately wired loads, short circuit between the live line and the neutral line or LC resonance at switching for a capacitive productive load .

2) Across-the-Line Use (Line to Line Surge Protection) select the varistor recommended in Table 1.

Notes:

For some electric equipments working under the phase voltage, the endurance of the short-time line voltage shall be taken into consideration during the design, and for such case, please select the varistor with “ * ”.

3) Line to Ground Use (Line to Ground Surge Protection) selects the varistor recommended in Table 1.

Table 1

| Line—Line Surge Protection | | Line— Ground Surge Protection | |
|----------------------------|-------------------------|-------------------------------|-------------------------|
| Nominal Line Voltage | Part Number of varistor | Nominal Line Voltage | Part Number of varistor |
| AC100V | MYG□□D271 | AC100V | MYG□□D821 |
| AC120V | MYG□□D331 | AC120V | MYG□□D821 |
| AC220V | MYG□□D471 | AC220V | MYG□□D182 |



| | | | |
|--------|---|--------|-----------|
| | MYG□□D511 MYG□□D561 * MYG□□D681 * | | |
| AC380V | MYG□□D821 MYG□□D911 | AC380V | MYG□□D182 |

Notes: □□: varistor diameter: 05、07、10、14、20

● Selection of Fuse Rating:

The recommended fuse locations are shown. For varistor protection, it is recommended to select suitable fuse in Table 2.

Table 2

| Varistor series | 05D | 07D | 10D | 14D | 20D |
|--------------------------|------|------|------|------|-------|
| Recommended Fuse Ratings | 1—2A | 2—4A | 3—5A | 4—8A | 6—10A |

● Environmental Conditions

- 1) The varistor shall not be exposed outdoors, because of being designed for indoor use.
- 2) The varistor shall not be operated beyond the Specified Operating Temperature Range and shall not be exposed to direct sunlight and heating part of equipment.
- 3) The varistor shall not be operated under severe conditions of high temperatures and high humidities such as places exposed to rain, wind and vapour.
- 4) The varistor shall be free from dust, salty wind and atmospheres polluted by corrosive gas.

● Precautions for Assemblies and Handings

- 1) Organic solvents such as thinner and acetone etc, shall not be applied to varistor for preventing deterioration of external coating or molding resin.
- 2) Abnormal mechanical stresses beyond the specified values such as strong falling shocks, vibrations and bending forces, shall be kept minimum to prevent electrical failures of the devices.

● Long Term Storage

- 1) The varistor shall not be stored under severe conditions of high temperatures and high humidities.

Store them indoors under 40°C max and 75% RH max. Use them within one year, if stored beyond the limit, check the solder bility before use.

- 2) The varistor shall not be stored under corrosive atmospheres such as hydrogen sulfide,



sulfurous acid, chlorine and ammonia.

3) The varistor shall not be exposed to direct sunlight and shall not be stored under dew formation.

• **Parallel Capacitance of the Varistor**

The Parallel Capacitance of the Varistor is listed in the specification Table, for the designer's reference in high frequency circuit.

7、 Technical Data

In the following experiments, all the characteristics, are experimented and obtained in compliance with the method and terms of GB/T 10195-1997 idt IEC 1051-2:1991 QC 420100. Specified indoor temperature: 25±5℃, comparative humidity:45-85%, Atmospheric pressure:86-106KPa.

| Characteristics | | Test Methods | Specifications |
|---|---------|---|-----------------------------|
| Varistor Voltage | | The voltage between two leads varistor which is measured under the specified current,05D series a specified current: 0.1mA, 07D,10D,14D,20D series a specified current: 1mA. | To meet the Specified value |
| Maximum Allowable Voltage | | The maximum sinusoidal RMS voltage or maximum DC voltage that can be applied continuously in the specified operating temperature range. | |
| Clamping Voltage | | The maximum voltage between Two terminals with the specified standard impulse current(8/20μs) illustrated below applied | To meet the Specified value |
| Rated power | | The maximum power that can be applied within the specified ambient temperature. | |
| Maximum Energy | | Maximum energy from one or a burst of impulse. It is the value within the varistor Voltage of ±10% when one impulse of 10-1000μs or 2ms is applied | To meet the Specified value |
| Maximum Peak Current | 1 time | The maximum current within the varistor voltage change of ±10%when a single standard impulse current of 8/20μs is applied. | To meet the Specified value |
| | 2 times | The maximum current within the varistor voltage change of ±10% when a standard impulse current of 8/20μs is applied two times with an interval of 5 minutes. | |
| Temperature Coefficient of Varistor voltage | | $\frac{V_c(+85^{\circ}\text{C}) - V_c(+25^{\circ}\text{C})}{V_c(+25^{\circ}\text{C})} \times \frac{1}{60} \times 100\%$ | 0~-0.05%/℃ |
| Capacitance | | Testing Condition :1KHz ±10%.1Vrms.(1MHz ±10% below 100PF) | To meet the Specified value |



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| | | | |
|--|---|----------------------|----------------------------------|
| Insulation Strength (Body Insulation) | The specified voltage shall be applied between both terminals of the specimen connected together and metal foil closely wrapped round its body for 1 minute. | | No breakdown |
| | Varistor voltage | Testing Voltage (AC) | |
| | $V_c \leq 330V$ | 1000Vrms | |
| | $V_c > 330V$ | 2000Vrms | |
| Impluse Life | The change of V_c shall be measured after the impulse current. Listed with the interval of 2 min when 10~1000 impulses are applied or the 10 seconds interval when 10000-100000 impulses are applied. | | $\Delta V_c / V_c \leq \pm 10\%$ |



| | | | |
|-----------------------------------|---|-------|---|
| Terminal Pull Strength | After gradually applying the load specified below and keeping the load fixed for 10 seconds. The change shall be measured and meet the requirement with no outstanding damage. | | No Outstanding Damage |
| | Terminal diameter | Force | |
| | ∅ 0.6mm, ∅ 0.8mm | 10N | |
| | ∅ 1.0mm | 20N | |
| Terminal Bending Strength | The unit shall be secured with its terminal kept vertical and the weight specified below be applied in the axial direction. The terminal shall gradually be bent by 90° in one direction, then 90° in the opposite direction, and again back to the original position. The change shall be measured and meet the requirement with no outstanding damage. | | No Outstanding Damage |
| | Terminal diameter | Force | |
| | ∅ 0.6mm, ∅ 0.8mm | 10N | |
| | ∅ 1.0mm | 20N | |
| Vibration | Subjected to simple harmonic motion of 0.75mm amplitude 1.5mm maximum total excursion between limits of 10-55Hz. Frequency scan shall be traversed in one minute, This motion shall then be applied for period of two hours in each of three mutually perpendicular directions. The change shall be measured and meet the requirement with no outstanding damage. | | No Outstanding Damage |
| Solder ability | After dipping the terminal to a depth of approximately 2mm from the body in a soldering bath of 235±5°C for 2±0.5°C sec. The terminations shall be uniformly tinned. | | Approximate 95% of the terminals shall be covered with new solder uniformly |
| Resistance to Soldering Heat | The terminal shall be dipped into a soldering bath with temperature of 260±5°C to a point of 2-2.5mm from the body for 10±0.5sec. (05D shall be 5±1sec.) and then stored at room temperature and humidity for 1-2 hours . The change of Vc shall be measured and meet the requirement with no outstanding damage. | | ΔVc/Vc≤±5%, No Outstanding Damage |
| High Temperature Storage/Dry Heat | The specimen shall be subjected to 125±2°C for 1000 hours in a drying oven without load and then stored at room temperature for 1-2 hours. The change of Vc shall be measured and meet the requirement with no outstanding damage. | | ΔVc/Vc≤±5% |
| Humidity | The specimen shall be subjected to 40°C, 90 to 95% R.H. For 1000 hours without load and then stored at room temperature for 1-2 hours. The change of Vc shall be measured and meet the requirement with no outstanding damage. | | ΔVc/Vc≤±5% |



| Temperature Cycle | Temperature cycle operation of the following table shall be repeated 5 times continuously. And then the specimen shall be left at room ambient for 1-2 hours. The change of Vc shall be measured and meet the requirement with no outstanding damage. | | | | | | $\Delta V_c/V_c \leq \pm 5\%$ No Outstanding Damage |
|-------------------------------------|--|------------------|-----------|-------|------------------|-----------|--|
| | Stops | Temperature(°C) | Time(min) | steps | Temperature(°C) | Time(min) | |
| | 1 | -40±3 | 30±3 | 3 | 125±2 | 30±3 | |
| | 2 | Room Temperature | 15±3 | 4 | Room Temperature | 15±3 | |
| High Temperature Load/Dry Heat Load | After being continuously applied the maximum allowable voltage at 85±2°C for 1000 hours, the specimen shall be stored at room temperature and humidity for 1-2 hours. The change of Vc shall be measured and meet the requirement with no outstanding damage. | | | | | | $\Delta V_c/V_c \leq \pm 10\%$ |
| Damp Hest Load/Humidity Load | After being continuously applied the maximum allowable voltage at 85±2°C,90-95%R.H. for 1000 hours, the specimen shall be stored at room temperature and humidity for 1-2 hours. The change of Vc shall be measured and meet the requirement with no outstanding damage. | | | | | | $\Delta V_c/V_c \leq \pm 10\%$ |
| Low Temperature Storage/Cold | Specimen shall be subjected to an ambient of -40±2°C for 1000 hours. And after the specimen shall be left at room ambient for 1-2 hours. The change of Vc shall be measured and meet the requirement. with no outstanding damage. | | | | | | $\Delta V_c/V_c \leq \pm 5\%$ |

Advice to Customers

According to the agreed contract, ordered production can be provided to meet the customer's demand for product speciality in size, electronic parameter and other characteristics.



II Varistor Type MYL1

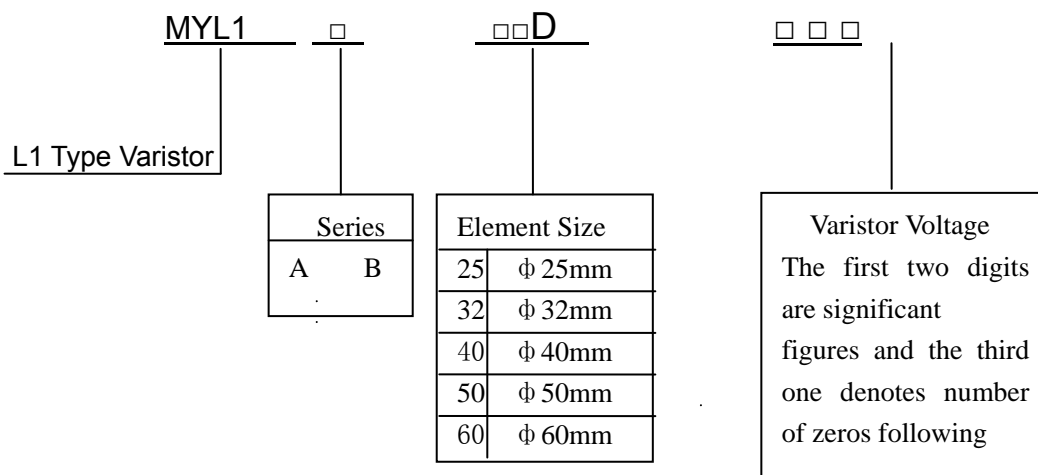
1、 Features

- Varistor voltage (68V-1200V)
- Excellent non-linearity coefficient
- Great withstanding surge current
- Fast response time

2、 Recommended Applications

- Protection of semiconductor
- Surge protection of consumer equipment
- Surge protection of communication,measuring or controller instrument
- Relay or electro magnetic valve surge absorption

3、 Explanation of Part Numbers





3、 Specification and Electrical Characteristics of Product

| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Rated Power (W) | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | | |
| MYL1B25D470 | 47(42-52) | 30 | 38 | 35 | 5000 | 3000 | 93 | 20 | 0.2 | 15000 |
| MYL1B25D560 | 56(50-62) | 35 | 45 | 40 | 5000 | 3000 | 110 | 20 | 0.2 | 13000 |
| MYL1B25D680 | 68(61-75) | 40 | 56 | 45 | 5000 | 3000 | 115 | 20 | 0.2 | 10000 |
| MYL1B25D820 | 82(74-90) | 50 | 65 | 50 | 5000 | 3000 | 135 | 20 | 0.2 | 7000 |
| MYL1B25D101 | 100(90-110) | 60 | 85 | 55 | 5000 | 3000 | 165 | 20 | 0.2 | 6000 |
| MYL1B25D121 | 120(108-132) | 75 | 100 | 60 | 5000 | 3000 | 200 | 20 | 0.2 | 5000 |
| MYL1B25D151 | 150(135-165) | 95 | 125 | 75 | 5000 | 3000 | 250 | 20 | 0.2 | 4000 |
| MYL1B25D181 | 180(162-198) | 115 | 150 | 85 | 5000 | 3000 | 300 | 20 | 0.2 | 2400 |
| MYL1B25D201 | 200(180-220) | 130 | 170 | 100 | 10000 | 5000 | 340 | 150 | 0.5 | 2200 |
| MYL1B25D221 | 220(198-242) | 140 | 180 | 100 | 10000 | 5000 | 360 | 150 | 0.5 | 2000 |
| MYL1B25D241 | 240(216-264) | 150 | 200 | 120 | 10000 | 5000 | 395 | 150 | 0.5 | 1800 |
| MYL1B25D271 | 270(243-297) | 175 | 225 | 130 | 10000 | 5000 | 455 | 150 | 0.5 | 1600 |
| MYL1B25D301 | 300(270-330) | 190 | 245 | 160 | 10000 | 5000 | 495 | 150 | 0.5 | 1500 |
| MYL1B25D331 | 330(297-363) | 215 | 275 | 160 | 10000 | 5000 | 540 | 150 | 0.5 | 1400 |
| MYL1B25D361 | 360(324-396) | 230 | 300 | 180 | 10000 | 5000 | 595 | 150 | 0.5 | 1200 |
| MYL1B25D391 | 390(351-429) | 250 | 320 | 200 | 10000 | 5000 | 650 | 150 | 0.5 | 1000 |
| MYL1B25D431 | 430(387-473) | 275 | 350 | 220 | 10000 | 5000 | 710 | 150 | 0.5 | 900 |
| MYL1B25D471 | 470(423-517) | 300 | 385 | 250 | 10000 | 5000 | 775 | 150 | 0.5 | 900 |
| MYL1B25D511 | 510(459-561) | 320 | 415 | 270 | 10000 | 5000 | 855 | 150 | 0.5 | 800 |
| MYL1B25D561 | 560(504-616) | 350 | 455 | 270 | 10000 | 5000 | 945 | 150 | 0.5 | 700 |
| MYL1B25D621 | 620(558-682) | 385 | 505 | 270 | 10000 | 5000 | 1025 | 150 | 0.5 | 500 |
| MYL1B25D681 | 680(612-748) | 420 | 560 | 270 | 10000 | 5000 | 1120 | 150 | 0.5 | 460 |
| MYL1B25D751 | 750(675-825) | 460 | 615 | 300 | 10000 | 5000 | 1240 | 150 | 0.5 | 430 |
| MYL1B25D821 | 820(738-902) | 510 | 670 | 325 | 10000 | 5000 | 1355 | 150 | 0.5 | 410 |
| MYL1B25D911 | 910(819-1001) | 550 | 745 | 360 | 10000 | 5000 | 1500 | 150 | 0.5 | 360 |
| MYL1B25D102 | 1000(900-1100) | 625 | 825 | 400 | 10000 | 5000 | 1650 | 150 | 0.5 | 330 |
| MYL1B25D112 | 1100(990-1210) | 680 | 895 | 410 | 10000 | 5000 | 1815 | 150 | 0.5 | 310 |
| MYL1B25D122 | 1200(1080-1320) | 705 | 970 | 440 | 10000 | 5000 | 1980 | 150 | 0.5 | 270 |





| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Rated Power (W) | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | | |
| MYL1B32D470 | 47(42-52) | 30 | 38 | 45 | 8000 | 5000 | 93 | 40 | 0.25 | 25000 |
| MYL1B32D560 | 56(50-62) | 35 | 45 | 50 | 8000 | 5000 | 110 | 40 | 0.25 | 23000 |
| MYL1B32D680 | 68(61-75) | 40 | 56 | 55 | 8000 | 5000 | 115 | 40 | 0.25 | 18000 |
| MYL1B32D820 | 82(74-90) | 50 | 65 | 62 | 8000 | 5000 | 135 | 40 | 0.25 | 15000 |
| MYL1B32D101 | 100(90-110) | 60 | 85 | 70 | 8000 | 5000 | 165 | 40 | 0.25 | 13000 |
| MYL1B32D121 | 120(108-132) | 75 | 100 | 80 | 8000 | 5000 | 200 | 40 | 0.25 | 10000 |
| MYL1B32D151 | 150(135-165) | 95 | 125 | 90 | 8000 | 5000 | 250 | 40 | 0.25 | 8000 |
| MYL1B32D181 | 180(162-198) | 115 | 150 | 100 | 8000 | 5000 | 300 | 40 | 0.25 | 7000 |
| MYL1B32D201 | 200(180-220) | 130 | 170 | 200 | 15000 | 10000 | 340 | 200 | 1.0 | 4600 |
| MYL1B32D221 | 220(198-242) | 140 | 180 | 200 | 15000 | 10000 | 360 | 200 | 1.0 | 4200 |
| MYL1B32D241 | 240(216-264) | 150 | 200 | 220 | 15000 | 10000 | 395 | 200 | 1.0 | 3800 |
| MYL1B32D271 | 270(243-297) | 175 | 225 | 240 | 15000 | 10000 | 455 | 200 | 1.0 | 3400 |
| MYL1B32D301 | 300(270-330) | 190 | 245 | 270 | 15000 | 10000 | 495 | 200 | 1.0 | 3200 |
| MYL1B32D331 | 330(297-363) | 215 | 275 | 300 | 15000 | 10000 | 540 | 200 | 1.0 | 2700 |
| MYL1B32D361 | 360(324-396) | 230 | 300 | 300 | 15000 | 10000 | 595 | 200 | 1.0 | 2400 |
| MYL1B32D391 | 390(351-429) | 250 | 320 | 330 | 15000 | 10000 | 650 | 200 | 1.0 | 2300 |
| MYL1B32D431 | 430(387-473) | 275 | 350 | 360 | 15000 | 10000 | 710 | 200 | 1.0 | 2200 |
| MYL1B32D471 | 470(423-517) | 300 | 385 | 360 | 15000 | 10000 | 775 | 200 | 1.0 | 2100 |
| MYL1B32D511 | 510(459-561) | 320 | 415 | 390 | 15000 | 10000 | 855 | 200 | 1.0 | 1900 |
| MYL1B32D561 | 560(504-616) | 350 | 455 | 390 | 15000 | 10000 | 945 | 200 | 1.0 | 1700 |
| MYL1B32D621 | 620(558-682) | 385 | 505 | 390 | 15000 | 10000 | 1025 | 200 | 1.0 | 1500 |
| MYL1B32D681 | 680(612-748) | 420 | 560 | 400 | 15000 | 10000 | 1120 | 200 | 1.0 | 1300 |
| MYL1B32D751 | 750(675-825) | 460 | 615 | 440 | 15000 | 10000 | 1240 | 200 | 1.0 | 1250 |
| MYL1B32D821 | 820(738-902) | 510 | 670 | 500 | 15000 | 10000 | 1355 | 200 | 1.0 | 1200 |
| MYL1B32D911 | 910(819-1001) | 550 | 745 | 550 | 15000 | 10000 | 1500 | 200 | 1.0 | 1100 |
| MYL1B32D102 | 1000(900-1100) | 625 | 825 | 600 | 15000 | 10000 | 1650 | 200 | 1.0 | 1000 |
| MYL1B32D112 | 1100(990-1210) | 680 | 895 | 650 | 15000 | 10000 | 1815 | 200 | 1.0 | 900 |
| MYL1B32D122 | 1200(1080-1320) | 705 | 970 | 700 | 15000 | 10000 | 1980 | 200 | 1.0 | 800 |



| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Rated Power (W) | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|-----------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | | |
| MYL1B40D470 | 47(42-52) | 30 | 38 | 70 | 15000 | 10000 | 93 | 100 | 0.3 | 30000 |
| MYL1B40D560 | 56(50-62) | 35 | 45 | 80 | 15000 | 10000 | 110 | 100 | 0.3 | 27000 |
| MYL1B40D680 | 68(61-75) | 40 | 56 | 90 | 15000 | 10000 | 115 | 100 | 0.3 | 25000 |
| MYL1B40D820 | 82(74-90) | 50 | 65 | 100 | 15000 | 10000 | 135 | 100 | 0.3 | 20000 |
| MYL1B40D101 | 100(90-110) | 60 | 85 | 110 | 15000 | 10000 | 165 | 100 | 0.3 | 18000 |
| MYL1B40D121 | 120(108-132) | 75 | 100 | 120 | 15000 | 10000 | 200 | 100 | 0.3 | 16000 |
| MYL1B40D151 | 150(135-165) | 95 | 125 | 130 | 15000 | 10000 | 250 | 100 | 1.2 | 13000 |
| MYL1B40D181 | 180(162-198) | 115 | 150 | 140 | 15000 | 10000 | 300 | 100 | 1.2 | 10000 |
| MYL1B40D201 | 200(180-220) | 130 | 170 | 270 | 30000 | 20000 | 340 | 250 | 1.2 | 6200 |
| MYL1B40D221 | 220(198-242) | 140 | 180 | 270 | 30000 | 20000 | 360 | 250 | 1.2 | 5500 |
| MYL1B40D241 | 240(216-264) | 150 | 200 | 300 | 30000 | 20000 | 395 | 250 | 1.2 | 5100 |
| MYL1B40D271 | 270(243-297) | 175 | 225 | 300 | 30000 | 20000 | 455 | 250 | 1.2 | 4800 |
| MYL1B40D301 | 300(270-330) | 190 | 245 | 330 | 30000 | 20000 | 495 | 250 | 1.2 | 4300 |
| MYL1B40D331 | 330(297-363) | 215 | 275 | 350 | 30000 | 20000 | 540 | 250 | 1.2 | 4000 |
| MYL1B40D361 | 360(324-396) | 230 | 300 | 350 | 40000 | 25000 | 595 | 250 | 1.2 | 3800 |
| MYL1B40D391 | 390(351-429) | 250 | 320 | 370 | 40000 | 25000 | 650 | 250 | 1.2 | 3400 |
| MYL1B40D431 | 430(387-473) | 275 | 350 | 400 | 40000 | 25000 | 710 | 250 | 1.2 | 3100 |
| MYL1B40D471 | 470(423-517) | 300 | 385 | 430 | 40000 | 25000 | 775 | 250 | 1.2 | 2800 |
| MYL1B40D511 | 510(459-561) | 320 | 415 | 460 | 40000 | 25000 | 855 | 250 | 1.2 | 2600 |
| MYL1B40D561 | 560(504-616) | 350 | 455 | 500 | 40000 | 25000 | 945 | 250 | 1.2 | 2400 |
| MYL1B40D621 | 620(558-682) | 385 | 505 | 550 | 40000 | 25000 | 1025 | 250 | 1.2 | 2100 |
| MYL1B40D681 | 680(612-748) | 420 | 560 | 600 | 40000 | 25000 | 1120 | 250 | 1.2 | 1900 |
| MYL1B40D751 | 750(675-825) | 460 | 615 | 650 | 40000 | 25000 | 1240 | 250 | 1.2 | 1700 |
| MYL1B40D821 | 820(738-902) | 510 | 670 | 700 | 40000 | 25000 | 1355 | 250 | 1.2 | 1600 |
| MYL1B40D911 | 910(819-1001) | 550 | 745 | 750 | 40000 | 25000 | 1500 | 250 | 1.2 | 1500 |
| MYL1B40D102 | 1000(900-1100) | 625 | 825 | 800 | 40000 | 25000 | 1650 | 250 | 1.2 | 1350 |
| MYL1B40D112 | 1100(990-1210) | 680 | 895 | 900 | 40000 | 25000 | 1815 | 250 | 1.2 | 1200 |
| MYL1B40D122 | 1200(1080-1320) | 705 | 970 | 1050 | 40000 | 25000 | 1980 | 250 | 1.2 | 1050 |



| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Rated Power (W) | Capacitance (Reference) (1kHz) (pF) |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | | |
| MYL1B50D201 | 200(180-220) | 130 | 170 | 310 | 40000 | 25000 | 340 | 300 | 1.4 | 12000 |
| MYL1B50D221 | 220(198-242) | 140 | 180 | 330 | 40000 | 25000 | 360 | 300 | 1.4 | 10500 |
| MYL1B50D241 | 240(216-264) | 150 | 200 | 360 | 40000 | 25000 | 395 | 300 | 1.4 | 9000 |
| MYL1B50D271 | 270(243-297) | 175 | 225 | 380 | 40000 | 25000 | 455 | 300 | 1.4 | 7500 |
| MYL1B50D301 | 300(270-330) | 190 | 245 | 400 | 40000 | 25000 | 495 | 300 | 1.4 | 6300 |
| MYL1B50D331 | 330(297-363) | 215 | 275 | 430 | 40000 | 25000 | 540 | 300 | 1.4 | 5200 |
| MYL1B50D361 | 360(324-396) | 230 | 300 | 460 | 50000 | 30000 | 595 | 300 | 1.4 | 4500 |
| MYL1B50D391 | 390(351-429) | 250 | 320 | 490 | 50000 | 30000 | 650 | 300 | 1.4 | 4100 |
| MYL1B50D431 | 430(387-473) | 275 | 350 | 550 | 50000 | 30000 | 710 | 300 | 1.4 | 3800 |
| MYL1B50D471 | 470(423-517) | 300 | 385 | 590 | 50000 | 30000 | 775 | 300 | 1.4 | 3400 |
| MYL1B50D511 | 510(459-561) | 320 | 415 | 640 | 50000 | 30000 | 855 | 300 | 1.4 | 3100 |
| MYL1B50D561 | 560(504-616) | 350 | 455 | 720 | 50000 | 30000 | 945 | 300 | 1.4 | 2900 |
| MYL1B50D621 | 620(558-682) | 385 | 505 | 800 | 50000 | 30000 | 1025 | 300 | 1.4 | 2700 |
| MYL1B50D681 | 680(612-748) | 420 | 560 | 830 | 50000 | 30000 | 1120 | 300 | 1.4 | 2550 |
| MYL1B50D751 | 750(675-825) | 460 | 615 | 850 | 50000 | 30000 | 1240 | 300 | 1.4 | 2400 |
| MYL1B50D821 | 820(738-902) | 510 | 670 | 920 | 50000 | 30000 | 1355 | 300 | 1.4 | 2200 |
| MYL1B50D911 | 910(819-1001) | 550 | 745 | 960 | 50000 | 30000 | 1500 | 300 | 1.4 | 2100 |
| MYL1B50D102 | 1000(900-1100) | 625 | 825 | 1020 | 50000 | 30000 | 1650 | 300 | 1.4 | 1900 |
| MYL1B50D112 | 1100(990-1210) | 680 | 895 | 1100 | 50000 | 30000 | 1815 | 300 | 1.4 | 1750 |
| MYL1B50D122 | 1200(1080-1320) | 705 | 970 | 1200 | 50000 | 30000 | 1980 | 300 | 1.4 | 1600 |



| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Rated Power (W) | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-------------------|---------------------|----------------------------------|-------|-----------------------|--------------------|--------------------|---|
| | | V _{1mA} (V) | AC _{rms} | | DC | 1time | 2time | V _C (V) | | |
| MYL1B60D201 | 200(180-220) | 130 | 170 | 450 | 50000 | 30000 | 340 | 350 | 1.6 | 17000 |
| MYL1B60D221 | 220(198-242) | 140 | 180 | 450 | 50000 | 30000 | 360 | 350 | 1.6 | 15000 |
| MYL1B60D241 | 240(216-264) | 150 | 200 | 530 | 50000 | 30000 | 395 | 350 | 1.6 | 14000 |
| MYL1B60D271 | 270(243-297) | 175 | 225 | 550 | 50000 | 30000 | 455 | 350 | 1.6 | 12000 |
| MYL1B60D301 | 300(270-330) | 190 | 245 | 600 | 50000 | 30000 | 495 | 350 | 1.6 | 10000 |
| MYL1B60D331 | 330(297-363) | 215 | 275 | 650 | 50000 | 30000 | 540 | 350 | 1.6 | 9600 |
| MYL1B60D361 | 360(324-396) | 230 | 300 | 700 | 70000 | 45000 | 595 | 350 | 1.6 | 8900 |
| MYL1B60D391 | 390(351-429) | 250 | 320 | 880 | 70000 | 45000 | 650 | 350 | 1.6 | 7700 |
| MYL1B60D431 | 430(387-473) | 275 | 350 | 950 | 70000 | 45000 | 710 | 350 | 1.6 | 6900 |
| MYL1B60D471 | 470(423-517) | 300 | 385 | 1000 | 70000 | 45000 | 775 | 350 | 1.6 | 6500 |
| MYL1B60D511 | 510(459-561) | 320 | 415 | 1100 | 70000 | 45000 | 855 | 350 | 1.6 | 6000 |
| MYL1B60D561 | 560(504-616) | 350 | 455 | 1200 | 70000 | 45000 | 945 | 350 | 1.6 | 5500 |
| MYL1B60D621 | 620(558-682) | 385 | 505 | 1300 | 70000 | 45000 | 1025 | 350 | 1.6 | 5100 |
| MYL1B60D681 | 680(612-748) | 420 | 560 | 1500 | 70000 | 45000 | 1120 | 350 | 1.6 | 4500 |
| MYL1B60D751 | 750(675-825) | 460 | 615 | 1600 | 70000 | 45000 | 1240 | 350 | 1.6 | 4300 |
| MYL1B60D821 | 820(738-902) | 510 | 670 | 1800 | 70000 | 45000 | 1355 | 350 | 1.6 | 3800 |
| MYL1B60D911 | 910(819-1001) | 550 | 745 | 2200 | 70000 | 45000 | 1500 | 350 | 1.6 | 3600 |
| MYL1B60D102 | 1000(900-1100) | 625 | 825 | 2200 | 70000 | 45000 | 1650 | 350 | 1.6 | 3100 |
| MYL1B60D112 | 1100(990-1210) | 680 | 895 | 2350 | 70000 | 45000 | 1815 | 350 | 1.6 | 2800 |
| MYL1B60D122 | 1200(1080-1320) | 705 | 987 | 2600 | 70000 | 45000 | 1980 | 350 | 1.6 | 2500 |

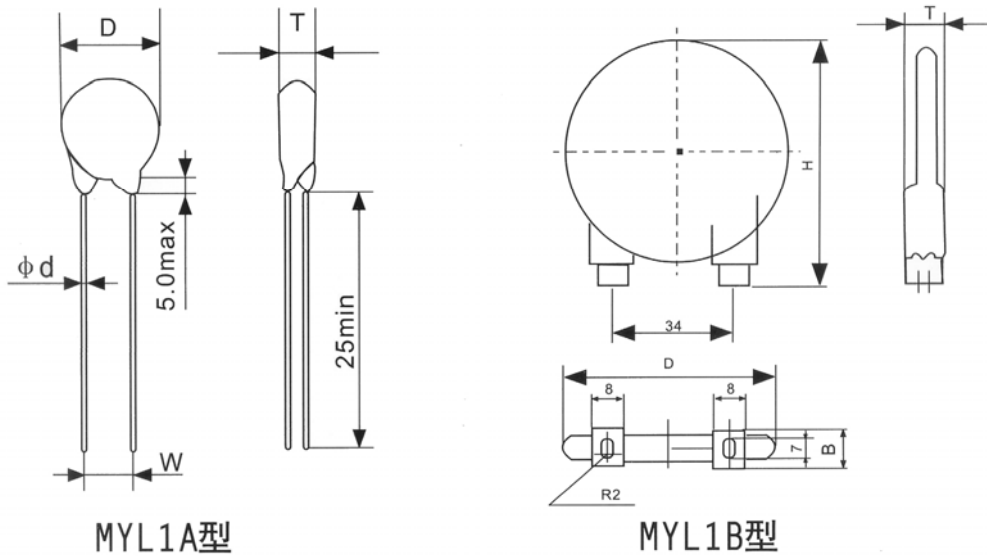
Operating Temperature Range: -40°C to +85°C

Storage Temperature Range: -40°C to +125°C

5、Dimension

| | Dimensions (mm) | | | |
|-----------------|-----------------|-------|-------|-----|
| | Dmax. | Tmax. | W | d |
| MYL1B25D470-181 | 30 | 7.0 | 10-13 | 1.0 |
| MYL1B25D201-122 | 31 | 14 | 10-13 | 1.0 |
| MYL1B32D470-181 | 36 | 7.5 | 20-25 | 1.5 |
| MYL1B32D201-122 | 37 | 14.5 | 20-25 | 1.5 |
| MYL1B40D470-181 | 45 | 7.8 | 20-25 | 1.5 |
| MYL1B40D201-122 | 46 | 15 | 20-25 | 1.5 |
| MYL1B50D201-122 | 56 | 18.5 | 20-25 | 1.5 |
| MYL1B60D201-122 | 66 | 16 | 20-25 | 1.5 |

| | Dimensions (mm) | | | |
|-----------------|-----------------|----|----|-------|
| | Dmax. | H | B | Tmax. |
| MYL1B40D470-181 | 45 | 55 | 15 | 9 |
| MYL1B40D201-122 | 46 | 55 | 15 | 15 |
| MYL1B50D201-122 | 56 | 65 | 15 | 16 |
| MYL1B60D201-122 | 66 | 75 | 15 | 16 |



III Varistor Type MYL3

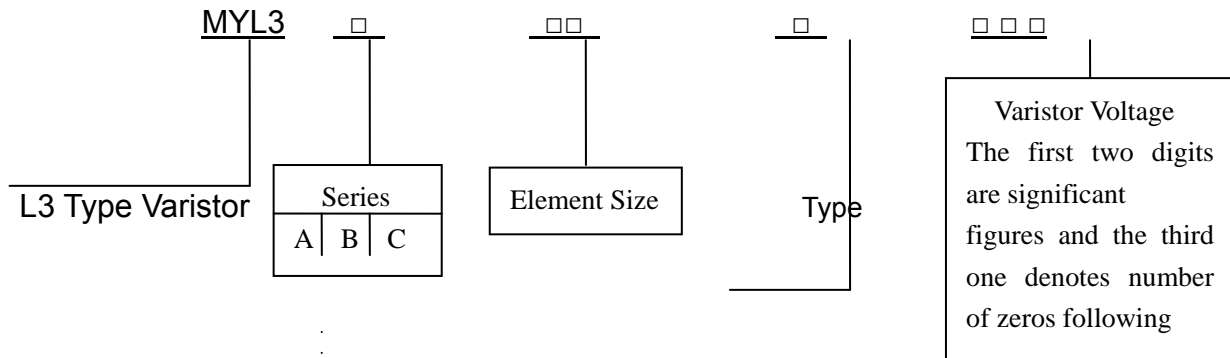
1、Features

- Varistor voltage (47V-1200V)
- Excellent non-linearity coefficient
- Great withstanding surge current

2、Recommended Applications

- Protection of semiconductor
- Surge protection of consumer equipment
- Surge protection of communication, measuring or controller instrument
- Relay or electro magnetic valve surge absorption

3、Explanation of Part Numbers



4、Specification and Electrical Characteristics of Product

| Model NO. | Varistor Voltage | Max. Allowable Voltage (V) | | Max. Clamping Voltage V_{150A} (V) | Energy (2ms) (J) | Max. Peak Current (8/20us) | | Capacitance (reference) (1kHz) pF |
|-------------|------------------|----------------------------|-----|---|---------------------|----------------------------|--------------|---|
| | | ACrms | DC | | | 1time (A) | 2time (A) | |
| | | | | | | | | |
| MYL3A25D201 | 200(180-220) | 130 | 170 | 340 | 100 | 15000 | 10000 | 3200 |
| MYL3A25D241 | 240(216-264) | 150 | 200 | 395 | 120 | 15000 | 10000 | 3000 |
| MYL3A25D271 | 270(243-303) | 175 | 225 | 455 | 130 | 15000 | 10000 | 2800 |
| MYL3A25D301 | 300(270-330) | 190 | 245 | 495 | 160 | 15000 | 10000 | 2500 |
| MYL3A25D331 | 330(297-363) | 215 | 275 | 545 | 160 | 15000 | 10000 | 2100 |
| MYL3A25D361 | 360(324-396) | 230 | 300 | 595 | 180 | 15000 | 10000 | 1850 |
| MYL3A25D391 | 390(351-429) | 250 | 320 | 650 | 200 | 15000 | 10000 | 1500 |
| MYL3A25D431 | 430(387-473) | 275 | 350 | 710 | 220 | 15000 | 10000 | 1250 |
| MYL3A25D471 | 470 (423-517) | 300 | 385 | 775 | 250 | 15000 | 10000 | 1100 |
| MYL3A25D511 | 510(459-561) | 320 | 415 | 845 | 270 | 15000 | 10000 | 1000 |
| MYL3A25D561 | 560(504-616) | 350 | 455 | 925 | 270 | 15000 | 10000 | 950 |
| MYL3A25D621 | 620(538-682) | 385 | 505 | 1025 | 270 | 15000 | 10000 | 900 |
| MYL3A25D681 | 680(612-748) | 420 | 560 | 1120 | 270 | 15000 | 10000 | 850 |
| MYL3A25D751 | 750(675-825) | 460 | 615 | 1240 | 300 | 15000 | 10000 | 800 |
| MYL3A25D781 | 780(702-858) | 485 | 640 | 1280 | 300 | 15000 | 10000 | 750 |
| MYL3A25D821 | 820(738-902) | 510 | 670 | 1355 | 325 | 15000 | 10000 | 720 |
| MYL3A25D911 | 910(819-1001) | 550 | 745 | 1500 | 360 | 15000 | 10000 | 680 |
| MYL3A25D102 | 1000(900-1100) | 625 | 825 | 1650 | 400 | 15000 | 10000 | 650 |
| MYL3A25D112 | 1100(990-1210) | 680 | 895 | 1815 | 440 | 15000 | 10000 | 600 |



SINOCHIP(NANJING) ELECTRONIC CO.,LTD

| Model NO. | Varistor Voltage | Max. Allowable Voltage (V) | | Max. Clamping Voltage | Energy (2ms) | Max. Peak Current (8/20us) | | Capacitance (reference) (1kHz) |
|-------------|------------------|----------------------------|-----|-----------------------|--------------|----------------------------|-------|--------------------------------|
| | | ACrms | DC | | | 1time | 2time | |
| | V (V) | ACrms | DC | V _{200A} (V) | (J) | (A) | (A) | pF |
| MYL3A34S201 | 200(180-220) | 130 | 170 | 340 | 200 | 25000 | 20000 | 6000 |
| MYL3A34S241 | 240(216-264) | 150 | 200 | 395 | 220 | 25000 | 20000 | 5800 |
| MYL3A34S271 | 270(243-303) | 175 | 225 | 455 | 240 | 25000 | 20000 | 5500 |
| MYL3A34S301 | 300(270-330) | 190 | 245 | 495 | 270 | 25000 | 20000 | 5300 |
| MYL3A34S331 | 330(297-363) | 215 | 275 | 545 | 300 | 25000 | 20000 | 5150 |
| MYL3A34S361 | 360(324-396) | 230 | 300 | 595 | 300 | 25000 | 20000 | 4700 |
| MYL3A34S391 | 390(351-429) | 250 | 320 | 650 | 330 | 25000 | 20000 | 4500 |
| MYL3A34S431 | 430(387-473) | 275 | 350 | 710 | 360 | 25000 | 20000 | 4200 |
| MYL3A34S471 | 470 (423-517) | 300 | 385 | 775 | 360 | 25000 | 20000 | 3800 |
| MYL3A34S511 | 510(459-561) | 320 | 415 | 845 | 390 | 25000 | 20000 | 3500 |
| MYL3A34S561 | 560(504-616) | 350 | 455 | 925 | 390 | 25000 | 20000 | 3150 |
| MYL3A34S621 | 620(538-682) | 385 | 505 | 1025 | 390 | 25000 | 20000 | 2800 |
| MYL3A34S681 | 680(612-748) | 420 | 560 | 1120 | 400 | 25000 | 20000 | 2500 |
| MYL3A34S751 | 750(675-825) | 460 | 615 | 1240 | 440 | 25000 | 20000 | 2100 |
| MYL3A34S781 | 780(702-858) | 485 | 640 | 1280 | 440 | 25000 | 20000 | 1800 |
| MYL3A34S821 | 820(738-902) | 510 | 670 | 1355 | 500 | 25000 | 20000 | 1500 |
| MYL3A34S911 | 910(819-1001) | 550 | 745 | 1500 | 550 | 25000 | 20000 | 1100 |
| MYL3A34S102 | 1000(900-1100) | 625 | 825 | 1650 | 600 | 25000 | 20000 | 900 |
| MYL3A34S112 | 1100(990-1210) | 680 | 895 | 1815 | 650 | 25000 | 20000 | 850 |

| Model NO. | Varistor Voltage | Max. Allowable Voltage (V) | | Max. Clamping Voltage | Energy (2ms) | Max. Peak Current (8/20us) | | Capacitance (reference) (1kHz) |
|-------------|------------------|----------------------------|-----|-----------------------|--------------|----------------------------|-------|--------------------------------|
| | | ACrms | DC | | | 1time | 2time | |
| | V (V) | ACrms | DC | V _{400A} (V) | (J) | (A) | (A) | pF |
| MYL3A40D201 | 200(180-220) | 130 | 170 | 340 | 270 | 30000 | 20000 | 8000 |
| MYL3A40D241 | 240(216-264) | 150 | 200 | 395 | 300 | 30000 | 20000 | 7800 |
| MYL3A40D271 | 270(243-303) | 175 | 225 | 455 | 300 | 30000 | 20000 | 7500 |
| MYL3A40D301 | 300(270-330) | 190 | 245 | 495 | 330 | 30000 | 20000 | 7300 |
| MYL3A40D331 | 330(297-363) | 215 | 275 | 545 | 350 | 30000 | 20000 | 6800 |
| MYL3A40D361 | 360(324-396) | 230 | 300 | 595 | 350 | 30000 | 20000 | 6300 |
| MYL3A40D391 | 390(351-429) | 250 | 320 | 650 | 370 | 30000 | 20000 | 6000 |
| MYL3A40D431 | 430(387-473) | 275 | 350 | 710 | 400 | 30000 | 20000 | 5500 |
| MYL3A40D471 | 470 (423-517) | 300 | 385 | 775 | 430 | 30000 | 20000 | 5000 |
| MYL3A40D511 | 510(459-561) | 320 | 415 | 845 | 460 | 40000 | 25000 | 4700 |
| MYL3A40D561 | 560(504-616) | 350 | 455 | 925 | 500 | 40000 | 25000 | 4450 |
| MYL3A40D621 | 620(538-682) | 385 | 505 | 1025 | 550 | 40000 | 25000 | 4100 |
| MYL3A40D681 | 680(612-748) | 420 | 560 | 1120 | 600 | 40000 | 25000 | 3700 |
| MYL3A40D751 | 750(675-825) | 460 | 615 | 1240 | 650 | 40000 | 25000 | 3500 |
| MYL3A40D781 | 780(702-858) | 485 | 640 | 1280 | 650 | 40000 | 25000 | 3100 |
| MYL3A40D821 | 820(738-902) | 510 | 670 | 1355 | 700 | 40000 | 25000 | 2700 |
| MYL3A40D911 | 910(819-1001) | 550 | 745 | 1500 | 750 | 40000 | 25000 | 2450 |
| MYL3A40D102 | 1000(900-1100) | 625 | 825 | 1650 | 800 | 40000 | 25000 | 2100 |
| MYL3A40D112 | 1100(990-1210) | 680 | 895 | 1815 | 900 | 40000 | 25000 | 1700 |

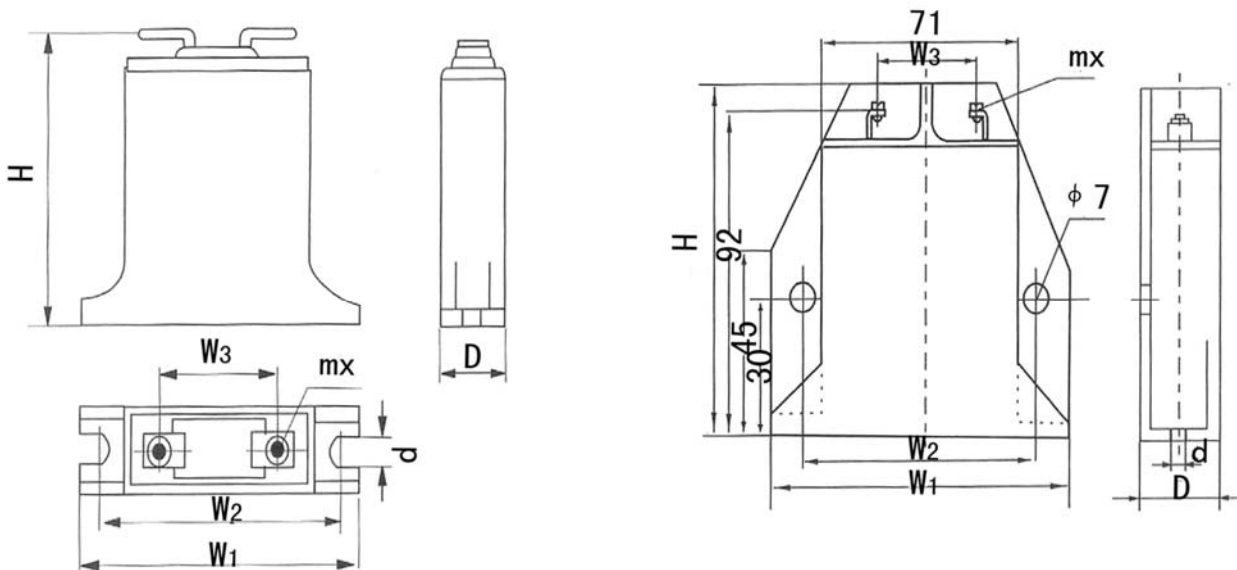
| Model NO. | Varistor Voltage | Max. Allowable Voltage (V) | | Max. Clamping Voltage | Energy (2ms) | Max. Peak Current (8/20us) | | Capacitance (reference) (1kHz) |
|-------------|------------------|----------------------------|-----|-----------------------|--------------|----------------------------|-------|--------------------------------|
| | | ACrms | DC | | | 1time | 2time | |
| | V (V) | | | V_{500A} (V) | (J) | (A) | (A) | pF |
| MYL3A60D201 | 200(180-220) | 130 | 170 | 340 | 450 | 50000 | 30000 | 16000 |
| MYL3A60D241 | 240(216-264) | 150 | 200 | 395 | 530 | 50000 | 30000 | 14500 |
| MYL3A60D271 | 270(243-303) | 175 | 225 | 455 | 550 | 50000 | 30000 | 12000 |
| MYL3A60D301 | 300(270-330) | 190 | 245 | 495 | 600 | 50000 | 30000 | 10500 |
| MYL3A60D331 | 330(297-363) | 215 | 275 | 545 | 650 | 50000 | 30000 | 9500 |
| MYL3A60D361 | 360(324-396) | 230 | 300 | 595 | 700 | 50000 | 30000 | 8300 |
| MYL3A60D391 | 390(351-429) | 250 | 320 | 650 | 880 | 50000 | 30000 | 7600 |
| MYL3A60D431 | 430(387-473) | 275 | 350 | 710 | 950 | 50000 | 30000 | 7000 |
| MYL3A60D471 | 470 (423-517) | 300 | 385 | 775 | 1000 | 50000 | 30000 | 6500 |
| MYL3A60D511 | 510(459-561) | 320 | 415 | 845 | 1100 | 50000 | 30000 | 5200 |
| MYL3A60D561 | 560(504-616) | 350 | 455 | 925 | 1200 | 70000 | 45000 | 4500 |
| MYL3A60D621 | 620(538-682) | 385 | 505 | 1025 | 1300 | 70000 | 45000 | 4000 |
| MYL3A60D681 | 680(612-748) | 420 | 560 | 1120 | 1500 | 70000 | 45000 | 3600 |
| MYL3A60D751 | 750(675-825) | 460 | 615 | 1240 | 1500 | 70000 | 45000 | 3100 |
| MYL3A60D781 | 780(702-858) | 485 | 640 | 1280 | 1600 | 70000 | 45000 | 2850 |
| MYL3A60D821 | 820(738-902) | 510 | 670 | 1355 | 1800 | 70000 | 45000 | 2700 |
| MYL3A60D911 | 910(819-1001) | 550 | 745 | 1500 | 2000 | 70000 | 45000 | 2500 |
| MYL3A60D102 | 1000(900-1100) | 625 | 825 | 1650 | 2300 | 70000 | 45000 | 2300 |
| MYL3A60D112 | 1100(990-1210) | 680 | 895 | 1815 | 2600 | 70000 | 45000 | 2000 |

Operating Temperature Range:-40 °C to +85 °C

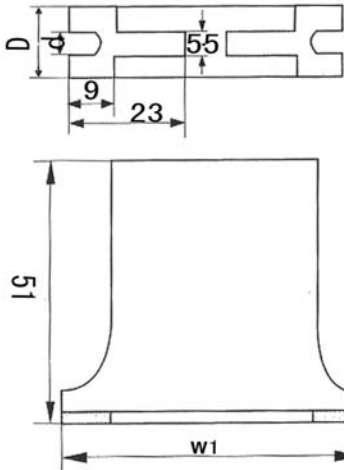
Storage Temperature Range:-40 to °C +110 °C

5、Dimension

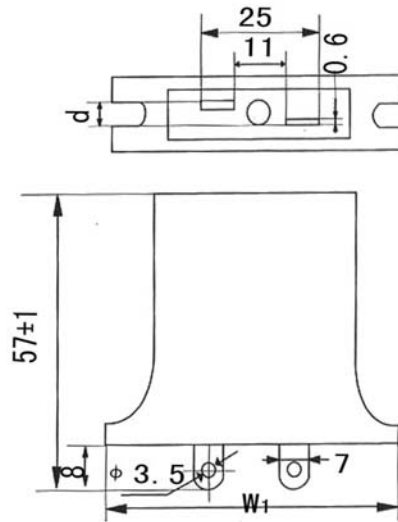
| Type | W1±2 | W2±2 | W3±2 | H±1 | Dmax | d±1 | mx |
|-----------------|------|------|------|-----|------|-----|----|
| MYL3A25D201-112 | 62 | 51 | 24 | 56 | 15 | 4.5 | M4 |
| MYL3A34S201-112 | 62 | 51 | 24 | 56 | 15 | 4.5 | M4 |
| MYL3A40D201-112 | 62 | 51 | 24 | 56 | 15 | 4.5 | M4 |
| MYL3A40D201-112 | 100 | 86 | 40 | 100 | 24 | 7 | M6 |



MYL3A



MYL3B



MYL3C

IV Varistor Type MYL5

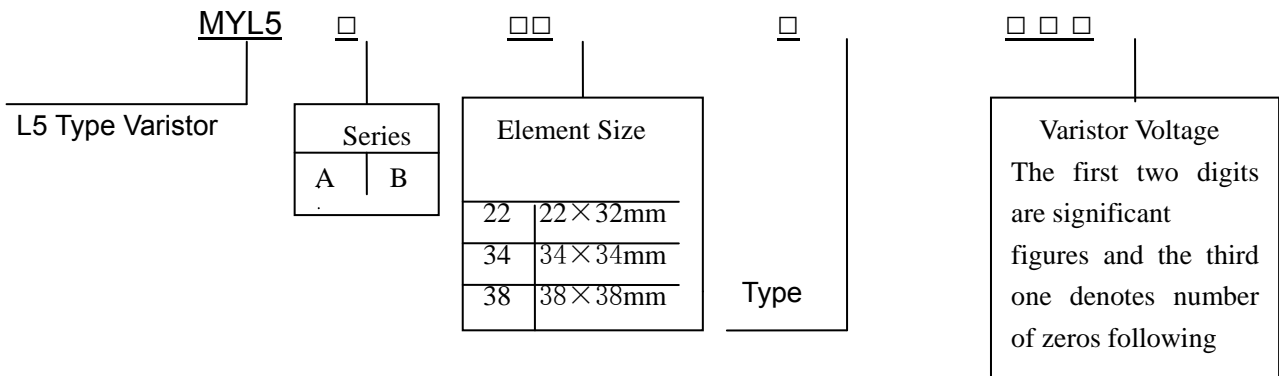
1、Features

- Varistor voltage (200V-1200V)
- Excellent non-linearity coefficient
- Great with standing surge current
- Fast response time

2、Recommended Applications

- Protection of semiconductor
- Protection of railway automatic signals
- Surge protection of communication, measuring or controller instrument
- Transient voltage surge suppressor units
- Surge protection of vacuum switches

3、Explanation of Part Numbers





4、Specification and Electrical Characteristics of Product

| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _c (V) | I _p (A) | |
| MYL5A22S201 | 200(180-220) | 130 | 170 | 200 | 20000 | 15000 | 340 | 150 | 5800 |
| MYL5A22S221 | 220(198-242) | 140 | 180 | 200 | 20000 | 15000 | 360 | 150 | 5450 |
| MYL5A22S241 | 240(216-264) | 150 | 200 | 200 | 20000 | 15000 | 395 | 150 | 4900 |
| MYL5A22S271 | 270(243-297) | 175 | 225 | 240 | 20000 | 15000 | 455 | 150 | 4700 |
| MYL5A22S301 | 300(270-330) | 190 | 245 | 270 | 20000 | 15000 | 495 | 150 | 4300 |
| MYL5A22S331 | 330(297-363) | 215 | 275 | 300 | 20000 | 15000 | 540 | 150 | 3720 |
| MYL5A22S361 | 360(324-396) | 230 | 300 | 300 | 20000 | 15000 | 595 | 150 | 3350 |
| MYL5A22S391 | 390(351-429) | 250 | 320 | 330 | 20000 | 15000 | 650 | 150 | 3000 |
| MYL5A22S431 | 430(387-473) | 275 | 350 | 360 | 20000 | 15000 | 710 | 150 | 2800 |
| MYL5A22S471 | 470(423-517) | 300 | 385 | 360 | 20000 | 15000 | 775 | 150 | 2600 |
| MYL5A22S511 | 510(459-561) | 320 | 415 | 390 | 20000 | 15000 | 855 | 150 | 2400 |
| MYL5A22S561 | 560(504-616) | 350 | 455 | 390 | 20000 | 15000 | 945 | 150 | 2200 |
| MYL5A22S621 | 620(558-682) | 385 | 505 | 390 | 20000 | 15000 | 1025 | 150 | 2000 |
| MYL5A22S681 | 680(612-748) | 420 | 560 | 400 | 20000 | 15000 | 1120 | 150 | 1800 |
| MYL5A22S751 | 750(675-825) | 460 | 615 | 440 | 20000 | 15000 | 1240 | 150 | 1600 |
| MYL5A22S821 | 820(738-902) | 510 | 670 | 500 | 20000 | 15000 | 1355 | 150 | 1500 |
| MYL5A22S911 | 910(819-1001) | 550 | 745 | 550 | 20000 | 15000 | 1500 | 150 | 1350 |
| MYL5A22S102 | 1000(900-1100) | 625 | 825 | 600 | 20000 | 15000 | 1650 | 150 | 1150 |
| MYL5A22S112 | 1100(990-1210) | 680 | 895 | 650 | 20000 | 15000 | 1815 | 150 | 1000 |
| MYL5A22S122 | 1200(1080-1320) | 705 | 987 | 700 | 20000 | 15000 | 1980 | 150 | 700 |



SINOCHIP(NANJING) ELECTRONIC CO.,LTD

| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | |
| MYL5B34S201 | 200(180-220) | 130 | 170 | 270 | 30000 | 20000 | 340 | 200 | 6900 |
| MYL5B34S221 | 220(198-242) | 140 | 180 | 270 | 30000 | 20000 | 360 | 200 | 6300 |
| MYL5B34S241 | 240(216-264) | 150 | 200 | 300 | 30000 | 20000 | 395 | 200 | 5400 |
| MYL5B34S271 | 270(243-297) | 175 | 225 | 300 | 30000 | 20000 | 455 | 200 | 4900 |
| MYL5B34S301 | 300(270-330) | 190 | 245 | 330 | 30000 | 20000 | 495 | 200 | 4200 |
| MYL5B34S331 | 330(297-363) | 215 | 275 | 350 | 30000 | 20000 | 540 | 200 | 3950 |
| MYL5B34S361 | 360(324-396) | 230 | 300 | 350 | 40000 | 25000 | 595 | 200 | 3700 |
| MYL5B34S391 | 390(351-429) | 250 | 320 | 370 | 40000 | 25000 | 650 | 200 | 3400 |
| MYL5B34S431 | 430(387-473) | 275 | 350 | 400 | 40000 | 25000 | 710 | 200 | 3200 |
| MYL5B34S471 | 470(423-517) | 300 | 385 | 430 | 40000 | 25000 | 775 | 200 | 3000 |
| MYL5B34S511 | 510(459-561) | 320 | 415 | 460 | 40000 | 25000 | 855 | 200 | 2800 |
| MYL5B34S561 | 560(504-616) | 350 | 455 | 500 | 40000 | 25000 | 945 | 200 | 2600 |
| MYL5B34S621 | 620(558-682) | 385 | 505 | 550 | 40000 | 25000 | 1025 | 200 | 2450 |
| MYL5B34S681 | 680(612-748) | 420 | 560 | 600 | 40000 | 25000 | 1120 | 200 | 2200 |
| MYL5B34S751 | 750(675-825) | 460 | 615 | 650 | 40000 | 25000 | 1240 | 200 | 1700 |
| MYL5B34S821 | 820(738-902) | 510 | 670 | 700 | 40000 | 25000 | 1355 | 200 | 1400 |
| MYL5B34S911 | 910(819-1001) | 550 | 745 | 750 | 40000 | 25000 | 1500 | 200 | 1300 |
| MYL5B34S102 | 1000(900-1100) | 625 | 825 | 800 | 40000 | 25000 | 1650 | 200 | 1150 |
| MYL5B34S112 | 1100(990-1210) | 680 | 895 | 900 | 40000 | 25000 | 1815 | 200 | 850 |
| MYL5B34S122 | 1200(1080-1320) | 705 | 987 | 1050 | 40000 | 25000 | 1980 | 200 | 740 |



SINOCHIP(NANJING) ELECTRONIC CO.,LTD

| Model NO | Varistor Voltage | Max Allowable Voltage (V) | | Energy (2ms) (J) | Max.Peak Current (8/20us) (A) | | Max. Clamping Voltage | | Capacitance (Reference) (1kHz) pF |
|-------------|------------------|---------------------------|-----|---------------------|----------------------------------|-------|-----------------------|--------------------|---|
| | | AC _{rms} | DC | | 1time | 2time | V _C (V) | I _p (A) | |
| MYL5B38S201 | 200(180-220) | 130 | 170 | 310 | 40000 | 25000 | 340 | 400 | 8100 |
| MYL5B38S221 | 220(198-242) | 140 | 180 | 330 | 40000 | 25000 | 360 | 400 | 7800 |
| MYL5B38S241 | 240(216-264) | 150 | 200 | 360 | 40000 | 25000 | 395 | 400 | 7400 |
| MYL5B38S271 | 270(243-297) | 175 | 225 | 380 | 40000 | 25000 | 455 | 400 | 6750 |
| MYL5B38S301 | 300(270-330) | 190 | 245 | 400 | 40000 | 25000 | 495 | 400 | 5900 |
| MYL5B38S331 | 330(297-363) | 215 | 275 | 430 | 40000 | 25000 | 540 | 400 | 5300 |
| MYL5B38S361 | 360(324-396) | 230 | 300 | 460 | 50000 | 30000 | 595 | 400 | 4700 |
| MYL5B38S391 | 390(351-429) | 250 | 320 | 490 | 50000 | 30000 | 650 | 400 | 4300 |
| MYL5B38S431 | 430(387-473) | 275 | 365 | 550 | 50000 | 30000 | 710 | 400 | 3900 |
| MYL5B38S471 | 470(423-517) | 300 | 385 | 590 | 50000 | 30000 | 775 | 400 | 3500 |
| MYL5B38S511 | 510(459-561) | 320 | 415 | 640 | 50000 | 30000 | 855 | 400 | 3200 |
| MYL5B38S561 | 560(504-616) | 350 | 455 | 720 | 50000 | 30000 | 945 | 400 | 2800 |
| MYL5B38S621 | 620(558-682) | 385 | 505 | 800 | 50000 | 30000 | 1025 | 400 | 2700 |
| MYL5B38S681 | 680(612-748) | 420 | 560 | 830 | 50000 | 30000 | 1120 | 400 | 2600 |
| MYL5B38S751 | 750(675-825) | 460 | 615 | 850 | 50000 | 30000 | 1240 | 400 | 2430 |
| MYL5B38S821 | 820(738-902) | 510 | 670 | 920 | 50000 | 30000 | 1355 | 400 | 2150 |
| MYL5B38S911 | 910(819-1001) | 550 | 745 | 960 | 50000 | 30000 | 1500 | 400 | 1900 |
| MYL5B38S102 | 1000(900-1100) | 625 | 825 | 1020 | 50000 | 30000 | 1650 | 400 | 1750 |
| MYL5B38S112 | 1100(990-1210) | 680 | 895 | 1100 | 50000 | 30000 | 1815 | 400 | 1530 |
| MYL5B38S122 | 1200(1080-1320) | 705 | 987 | 1200 | 50000 | 30000 | 1980 | 400 | 1200 |

Operating Temperature Range: -40°C to +85°C

Storage Temperature Range: -40°C to +125°C

V Varistor Type SPD

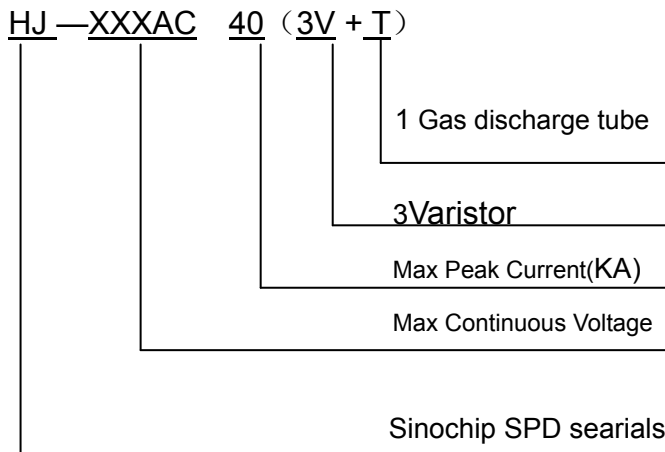
1、Features

- Varistor voltage (150V-1100V)
- Excellent non-linearity coefficient
- Great with standing surge current
- Fast response time
- Indicator of degradation

2、Recommended Applications

- Protection of semiconductor
- Surge protection of communication,measuring or controller instrument
- Transient voltage surge suppressor units
- Surge protection of vacuum switches

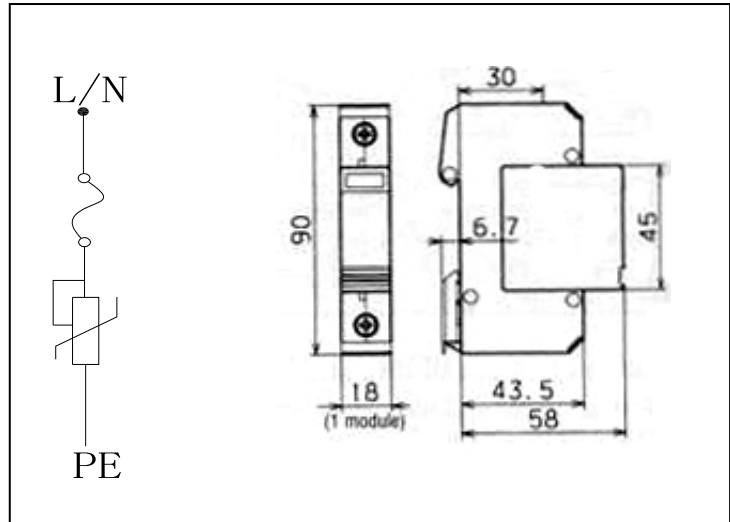
3、Explanation of Part Numbers



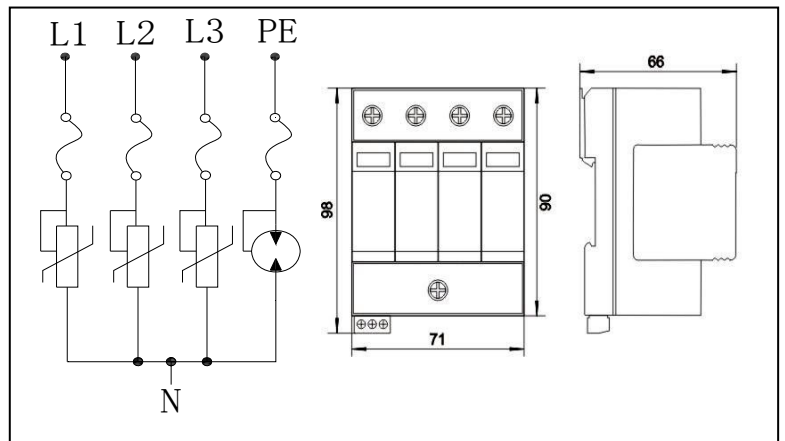
4、Specification and Electrical Characteristics of Product

| Model NO | HJ—XXXAC40V | | | | HJ—XXXAC40 (3V+T) | | | |
|----------------------------|----------------------|--------|--------|--------|-------------------|--------|--------|--------|
| | 275 | 320 | 385 | 420 | 275 | 320 | 385 | 420 |
| Max Continuous Voltage | 275 | 320 | 385 | 420 | 275 | 320 | 385 | 420 |
| Voltage protects (20KA) Up | ≤1.2KV | ≤1.5KV | ≤1.8KV | ≤2.0KV | ≤1.2KV | ≤1.5KV | ≤1.8KV | ≤2.0KV |
| Electric system | TN/TT | | | | TN/TT | | | |
| Rated Peak Current | 20KA(8/20us) | | | | 20KA(8/20us) | | | |
| Max Peak Current | 40KA(8/20us) | | | | 40KA(8/20us) | | | |
| Impulse Response Time | L/N—PE | ≤25ns | | L—N | ≤25ns | | | |
| | | | | N—PE | ≤100ns | | | |
| Operating Temperature | -40℃~85℃ | | | | | | | |
| 相对湿度 Relative Humidity | ≤95% | | | | | | | |
| 绝缘电阻 Insulation | > 10 ³ MΩ | | | | | | | |

5、Dimension



HJ-XXXAC40V



HJ—XXXAC40 (3V+T)