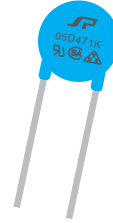


Varistor Type MYG

Features

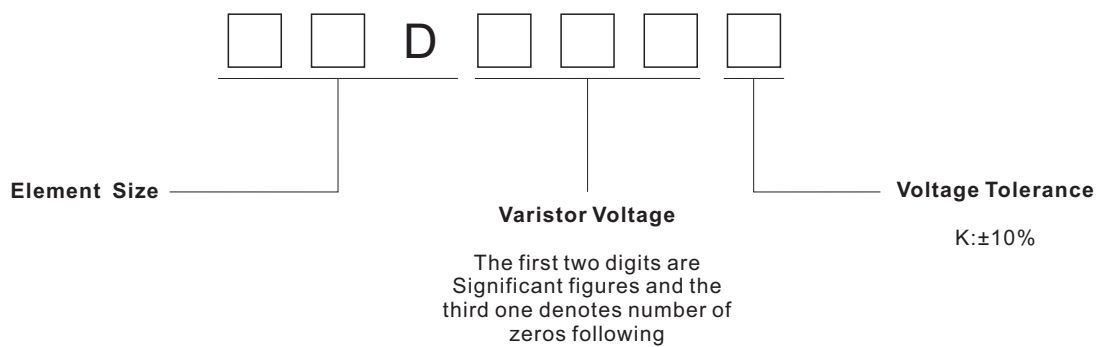
- Wide Varistor voltage range (18V~750V)
- Excellent non-linearity and protection level
- Large withstanding surge current
- Fast response($\leq 20\text{ns}$)



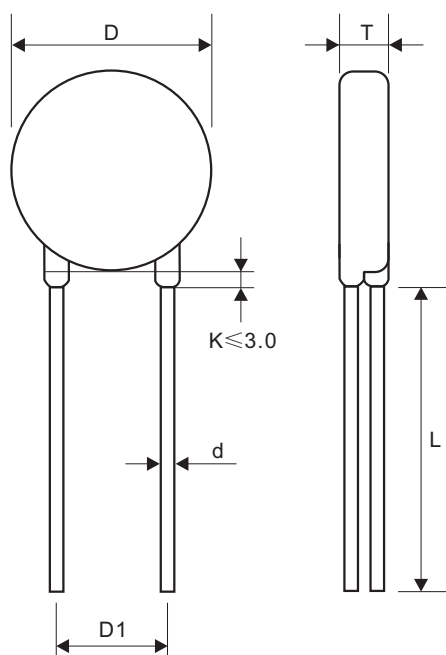
Applications

- 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



Dimension



| Rang of voltage (V) | Dimensions(mm) | | | | |
|---------------------|------------------|------------------|------------------|-------|--------|
| | D _{max} | T _{max} | L _{min} | d±0.1 | D1±1.0 |
| 18-68 | 7.5 | 4.0-5.2 | 20 | 0.6 | 5.0 |
| 82-750 | 7.5 | 4.1-6.2 | 20 | 0.6 | 5.0 |

Electrical Characteristics

| Part Number | Maximum Allowable Voltage | | Max Peak Current (8/20 μ s)(A) | | Rated Power W | Maximum Energy 10/1000 μ s (J) | Varistor Voltage V _{0.1mA} (V) | Maximum Clamping Voltage | | Typical Capacitance (Reference) @1KHz(pF) |
|-------------|---------------------------|------------------------|------------------------------------|-------------|------------------|------------------------------------------|--------------------------------------------|--------------------------|--------------------|-------------------------------------------------|
| | V _{AC} (V) | V _{DC} (V) | 1 time | 2 time | | | | V _C (V) | I _P (A) | |
| 05D751K | 460 | 615 | 400 | 200 | 0.1 | 15.0 | 750(675~825) | 1290 | 5 | 32 |
| 05D681K | 420 | 560 | | | | 15.0 | 680(612~748) | 1150 | 5 | 32 |
| 05D621K | 385 | 505 | | | | 15.0 | 620(558~682) | 1050 | 5 | 38 |
| 05D561K | 350 | 455 | | | | 15.0 | 560(504~616) | 940 | 5 | 38 |
| 05D511K | 320 | 415 | | | | 15.0 | 510(459~561) | 880 | 5 | 38 |
| 05D471K | 300 | 385 | | | | 15.0 | 470(423~517) | 810 | 5 | 40 |
| 05D431K | 275 | 350 | | | | 13.0 | 430(387~473) | 745 | 5 | 45 |
| 05D391K | 250 | 320 | | | | 12.0 | 390(351~429) | 675 | 5 | 50 |
| 05D361K | 230 | 300 | | | | 10.0 | 360(324~396) | 620 | 5 | 50 |
| 05D331K | 210 | 275 | | | | 9.2 | 330(297~363) | 580 | 5 | 65 |
| 05D301K | 195 | 250 | | | | 8.5 | 300(270~330) | 525 | 5 | 65 |
| 05D271K | 175 | 225 | | | | 8.5 | 270(243~297) | 475 | 5 | 65 |
| 05D241K | 150 | 200 | | | | 8.0 | 240(216~264) | 415 | 5 | 70 |
| 05D221K | 140 | 180 | | | | 7.0 | 220(198~242) | 380 | 5 | 70 |
| 05D201K | 130 | 170 | | | | 6.5 | 200(180~220) | 355 | 5 | 80 |
| 05D181K | 115 | 150 | | | | 5.9 | 180(162~198) | 315 | 5 | 120 |
| 05D151K | 95 | 125 | | | | 4.8 | 150(135~165) | 260 | 5 | 140 |
| 05D121K | 75 | 100 | | | | 4.0 | 120(108~132) | 210 | 5 | 170 |
| 05D101K | 60 | 85 | 3.0 | 100(90~110) | 175 | 5 | 200 | | | |
| 05D820K | 50 | 65 | 2.5 | 82(74~90) | 145 | 5 | 250 | | | |
| 05D680K | 40 | 56 | 100 | 50 | 0.01 | 1.6 | 68(61~75) | 150 | 1 | 350 |
| 05D560K | 35 | 45 | | | | 1.3 | 56(50~62) | 123 | 1 | 400 |
| 05D470K | 30 | 38 | | | | 1.1 | 47(42~52) | 104 | 1 | 450 |
| 05D390K | 25 | 31 | | | | 0.9 | 39(35~43) | 86 | 1 | 500 |
| 05D330K | 20 | 26 | | | | 0.8 | 33(30~36) | 73 | 1 | 900 |
| 05D270K | 17 | 22 | | | | 0.6 | 27(24~30) | 60 | 1 | 1000 |
| 05D220K | 14 | 18 | | | | 0.5 | 22(20~24) | 48 | 1 | 1250 |
| 05D180K | 11 | 14 | | | | 0.4 | 18(15~21) | 40 | 1 | 1550 |

Note: 1. Operating Temperature Range: -40 $^{\circ}$ C ~ +85 $^{\circ}$ C
 Storage Temperature Range: -40 $^{\circ}$ C ~ +125 $^{\circ}$ C