

**Maximum Ratings**                      **Electrical Characteristics**

| Part Number               | Actual Part Marking | Continuous Rated Voltage |          | Rated Single Pulse Transient Energy |                  |                  | Varistor Voltage @1mA DC |           | Maximum Clamping Voltage @ Test Current |      | Typical Capacitance @ 1KHZ 25°C<br>Picofarads |
|---------------------------|---------------------|--------------------------|----------|-------------------------------------|------------------|------------------|--------------------------|-----------|---|------|---|
|                           |                     | AC RMS Volts             | DC Volts | 2ms Joules                          | 10/1000µs Joules | Peak 8/20µs Amps | Min Volts                | Max Volts | 8/20µs Volts                            | Amps |   |
| <b>10mm Disc Diameter</b> |                     |                          |          |                                     |                  |                  |                          |           |   |      |   |
| D6121ZOV110RA02           | Z110-02             | 11                       | 14       | 1.5                                 | 2.1              | 500              | 16                       | 20        | 36                                      | 5    | 6800  |
| D6121ZOV140RA02           | Z140-02             | 14                       | 18       | 2.0                                 | 2.5              | 500              | 20                       | 24        | 43                                      | 5    | 6200  |
| D6121ZOV170RA03           | Z170-03             | 17                       | 22       | 2.5                                 | 3.0              | 500              | 24                       | 30        | 53                                      | 5    | 4200  |
| D6121ZOV200RA03           | Z200-03             | 20                       | 26       | 3.0                                 | 4.0              | 500              | 30                       | 36        | 65                                      | 5    | 2700  |
| D6121ZOV250RA04           | Z250-04             | 25                       | 31       | 3.5                                 | 4.6              | 500              | 35                       | 43        | 77                                      | 5    | 2200  |
| D6121ZOV300RA05           | Z300-05             | 30                       | 38       | 4.5                                 | 5.5              | 500              | 42                       | 52        | 93                                      | 5    | 2000  |
| D6121ZOV350RA06           | Z350-06             | 35                       | 45       | 5.5                                 | 7.0              | 500              | 50                       | 62        | 110                                     | 5    | 1800  |
| D6121ZOV400RA07           | Z400-07             | 40                       | 56       | 6.5                                 | 8.2              | 500              | 61                       | 75        | 135                                     | 5    | 1500  |
| D6121ZOV500RA03           | Z500-03             | 50                       | 66       | 8.0                                 | 12               | 2500             | 74                       | 90        | 135                                     | 25   | 1200  |
| D6121ZOV600RA03           | Z600-03             | 60                       | 85       | 10                                  | 15               | 2500             | 90                       | 110       | 165                                     | 25   | 1000  |
| D6121ZOV750RA03           | Z750-03             | 75                       | 102      | 12                                  | 18               | 2500             | 108                      | 132       | 200                                     | 25   | 750   |
| D6121ZOV950RA03           | Z950-03             | 95                       | 127      | 16                                  | 22               | 2500             | 135                      | 165       | 250                                     | 25   | 560   |
| D6121ZOV121RA04           | Z121-04             | 120                      | 160      | 18                                  | 27               | 2500             | 170                      | 207       | 320                                     | 25   | 470   |
| D6121ZOV131RA04           | Z131-04             | 130                      | 175      | 20                                  | 30               | 2500             | 184                      | 224       | 340                                     | 25   | 420   |
| D6121ZOV141RA04           | Z141-04             | 140                      | 180      | 23                                  | 32               | 2500             | 198                      | 242       | 360                                     | 25   | 390   |
| D6121ZOV151RA04           | Z151-04             | 150                      | 200      | 25                                  | 35               | 2500             | 212                      | 259       | 395                                     | 25   | 300   |
| D6121ZOV181RA04           | Z181-04             | 180                      | 230      | 30                                  | 40               | 2500             | 255                      | 311       | 455                                     | 25   | 270   |
| D61ZOV211RA30             | Z211-30             | 210                      | 270      | 33                                  | 44               | 2500             | 297                      | 363       | 540                                     | 25   | 230   |
| D61ZOV231RA35             | Z231-35             | 230                      | 300      | 35                                  | 47               | 2500             | 326                      | 397       | 595                                     | 25   | 210   |
| D61ZOV251RA40             | Z251-40             | 250                      | 330      | 40                                  | 60               | 2500             | 354                      | 432       | 650                                     | 25   | 200   |
| D61ZOV271RA43             | Z271-43             | 275                      | 370      | 45                                  | 65               | 2500             | 389                      | 466       | 710                                     | 25   | 180   |
| D61ZOV301RA45             | Z301-45             | 300                      | 385      | 46                                  | 70               | 2500             | 425                      | 518       | 775                                     | 25   | 170   |
| D61ZOV321RA45             | Z321-45             | 320                      | 420      | 47                                  | 71               | 2500             | 453                      | 553       | 850                                     | 25   | 160   |
| D61ZOV361RA45             | Z361-45             | 360                      | 470      | 48                                  | 72               | 2500             | 522                      | 638       | 910                                     | 25   | 160   |
| D61ZOV391RA45             | Z391-45             | 390                      | 505      | 49                                  | 73               | 2500             | 552                      | 674       | 1025                                    | 25   | 150   |
| D61ZOV421RA45             | Z421-45             | 420                      | 560      | 50                                  | 74               | 2500             | 594                      | 725       | 1120                                    | 25   | 140   |
| D61ZOV461RA50             | Z461-50             | 460                      | 615      | 51                                  | 75               | 2500             | 651                      | 795       | 1240                                    | 25   | 130   |
| D61ZOV481RA50             | Z481-50             | 485                      | 640      | 52                                  | 80               | 2500             | 686                      | 829       | 1290                                    | 25   | 120   |
| D61ZOV511RA55             | Z511-55             | 510                      | 675      | 55                                  | 85               | 2500             | 722                      | 881       | 1350                                    | 25   | 110   |
| D61ZOV551RA60             | Z551-60             | 550                      | 700      | 60                                  | 93               | 2500             | 778                      | 950       | 1400                                    | 25   | 100   |
| D61ZOV581RA65             | Z581-65             | 580                      | 735      | 62                                  | 96               | 2500             | 821                      | 1002      | 1500                                    | 25   | 100   |
| D61ZOV621RA65             | Z621-65             | 625                      | 825      | 65                                  | 102              | 2500             | 884                      | 1071      | 1650                                    | 25   | 91  |
| D61ZOV681RA70             | Z681-70             | 680                      | 895      | 70                                  | 115              | 2500             | 962                      | 1175      | 1815                                    | 25   | 82  |

Non-standard types are not shown. 8mm, 11mm, 12mm and 16mm sizes are available upon request.

UL 497B recognized (File E180012) for voltages 550VAC and below.  
 UL 1449 recognized (File E86730).  
 UL 1414 recognized (File E38785) for 120VAC through 580VAC with exception of 210VAC, 360VAC, 390VAC and 460VAC values.  
 VDE/CECC 42000/42200/42201 (File 58819) for 130VAC through 680VAC.  
 CSA 22.2 certified (File LR33468) for 120VAC through 680VAC values.  
 SEV/CECC 42000/42200/42201 (File 96,7 70250,01) for 150VAC through 625VAC values.



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