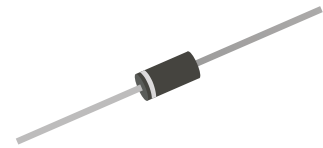


## 1.5KE-G Series

**Stand-off Voltage: 6.8 ~ 600V**  
**Power Dissipation: 1500 Watts**  
**RoHS Device**

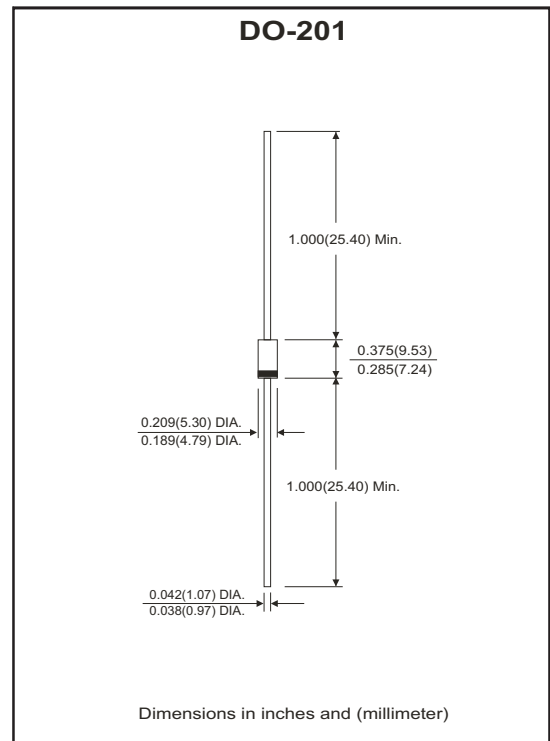


### Features

- Glass passivated chip.
- Low leakage.
- 1500W peak pulse power capability with a 10/1000 $\mu$ s waveform, repetitive rate (duty cycle): 0.01%.
- Uni and Bidirectional unit.
- Excellent clamping capability.
- Very fast response time.

### Mechanical Data

- Case: Molded plastic DO-201
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
- Polarity: Color band denotes cathode end except Bipolar
- Mounting position: Any
- Approx. weight: 0.844 grams



### Maximum Ratings and Electrical Characteristics (TA=25°C unless otherwise noted)

| Parameter                                                                                           | Symbol                            | Value          | Unit |
|-----------------------------------------------------------------------------------------------------|-----------------------------------|----------------|------|
| Peak power dissipation with a 10/1000 $\mu$ s waveform (Note 1)                                     | P <sub>PP</sub>                   | 1500           | W    |
| Peak pulse current with a 10/1000 $\mu$ s waveform (Note 1)                                         | I <sub>PP</sub>                   | See Next Table | A    |
| Power dissipation on infinite heatsink at T <sub>L</sub> =75°C                                      | P <sub>D</sub>                    | 6.5            | W    |
| Peak forward surge current, 8.3ms single half sine-wave unidirectional only (JEDEC method) (Note 2) | I <sub>FSM</sub>                  | 200            | A    |
| Maximum instantaneous forward voltage at 100 A for unidirectional only (Note 3)                     | V <sub>F</sub>                    | 3.5/5.0        | V    |
| Operating junction and storage temperature range                                                    | T <sub>J</sub> , T <sub>STG</sub> | -55 to +150    | °C   |

NTOES:

- (1) Non-repetitive current pulse, per fig.5 and derated above T<sub>A</sub>=25°C per fig.1
- (2) Measured on 8.3ms single half sine-wave or equivalent square wave, square wave, duty cycle=4 pulses per minute maximum
- (3) V<sub>F</sub><3.5V for devices of V<sub>BR</sub><200V and V<sub>F</sub><5.0V for devices of V<sub>BR</sub>>201V

## RATING AND CHARACTERISTIC CURVES (1.5KE6.8-G Thru. 1.5KE600-G )

Fig.1- Pulse Derating Curve

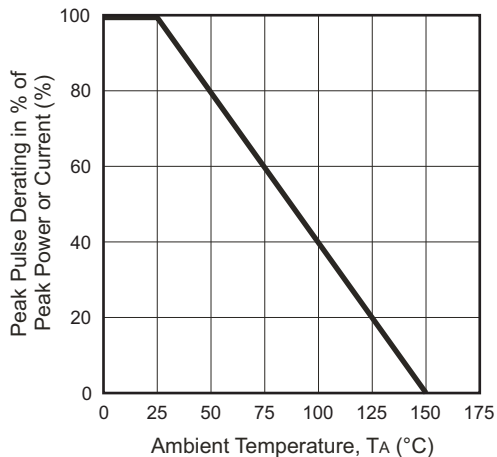


Fig.2- Steady State Power Derating Curve

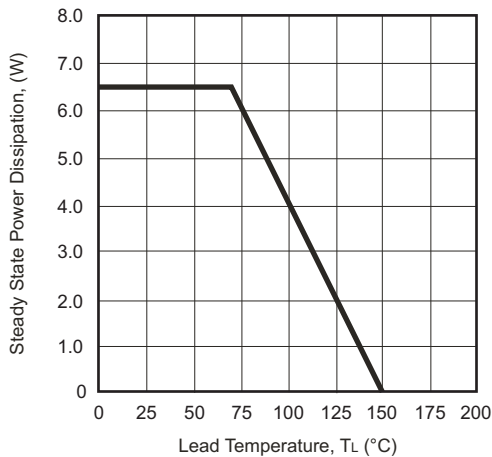


Fig.3- Max. Non-repetitive Surge Current

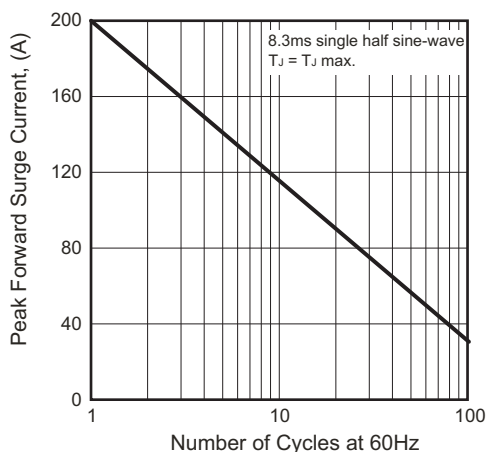


Fig.4- Typical Junction Capacitance

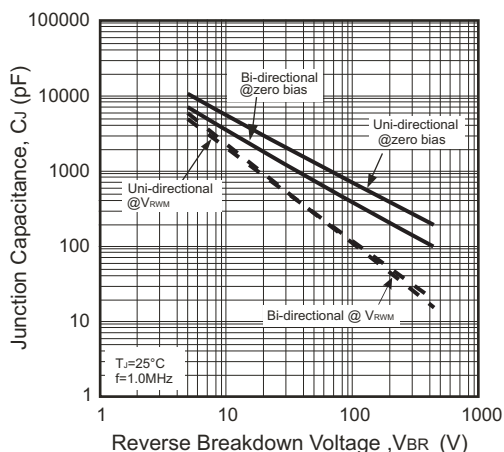


Fig.5- Pulse Waveform

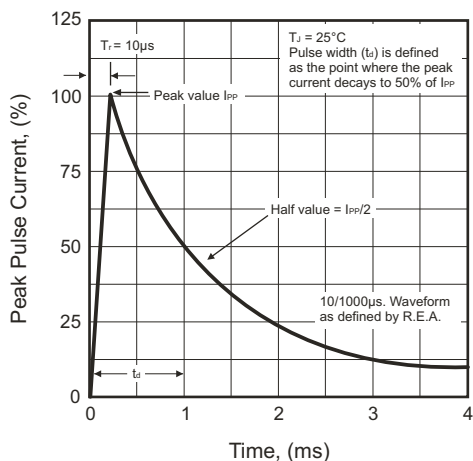
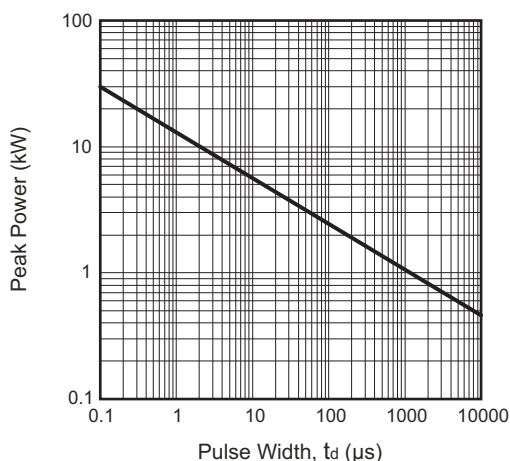


Fig.6- Peak Pulse Power Rating Curve



# 1500W Transient Voltage Suppressor



## Electrical Characteristics (1.5KE6.8-G Thru. 1.5KE600-G)

| Part No.       | Breakdown Voltage<br>V <sub>BR</sub> (V) @ I <sub>T</sub> |         |                     | Working<br>Peak<br>Reverse<br>Voltage<br>V <sub>VRWM</sub> (V) | Maximum<br>Reverse<br>Leakage<br>at V <sub>VRWM</sub><br>I <sub>R</sub> (μA) | Maximum<br>Reverse<br>Surge<br>Current<br>I <sub>PP</sub> (A) | Maximum<br>Clamping<br>Voltage<br>V <sub>c</sub> (V) | Marking Code |            |
|----------------|-----------------------------------------------------------|---------|---------------------|----------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------|--------------|------------|
|                | MIN.(V)                                                   | MAX.(V) | I <sub>T</sub> (mA) |                                                                |                                                                              |                                                               |                                                      | UNI          | BI         |
| 1.5KE6.8(C)-G  | 6.12                                                      | 7.48    | 10                  | 5.5                                                            | 1000                                                                         | 138.89                                                        | 10.8                                                 | 1.5KE6.8     | 1.5KE6.8C  |
| 1.5KE6.8(C)A-G | 6.46                                                      | 7.14    | 10                  | 5.8                                                            | 1000                                                                         | 142.86                                                        | 10.5                                                 | 1.5KE6.8A    | 1.5KE6.8CA |
| 1.5KE7.5(C)-G  | 6.75                                                      | 8.25    | 10                  | 6.1                                                            | 500                                                                          | 128.21                                                        | 11.7                                                 | 1.5KE7.5     | 1.5KE7.5C  |
| 1.5KE7.5(C)A-G | 7.13                                                      | 7.88    | 10                  | 6.4                                                            | 500                                                                          | 132.74                                                        | 11.3                                                 | 1.5KE7.5A    | 1.5KE7.5CA |
| 1.5KE8.2(C)-G  | 7.38                                                      | 9.02    | 10                  | 6.6                                                            | 200                                                                          | 120.00                                                        | 12.5                                                 | 1.5KE8.2     | 1.5KE8.2C  |
| 1.5KE8.2(C)A-G | 7.79                                                      | 8.61    | 10                  | 7.0                                                            | 200                                                                          | 123.97                                                        | 12.1                                                 | 1.5KE8.2A    | 1.5KE8.2CA |
| 1.5KE9.1(C)-G  | 8.19                                                      | 10.01   | 1.0                 | 7.4                                                            | 50                                                                           | 108.70                                                        | 13.8                                                 | 1.5KE9.1     | 1.5KE9.1C  |
| 1.5KE9.1(C)A-G | 8.65                                                      | 9.56    | 1.0                 | 7.8                                                            | 50                                                                           | 111.94                                                        | 13.4                                                 | 1.5KE9.1A    | 1.5KE9.1CA |
| 1.5KE10(C)-G   | 9.00                                                      | 11.00   | 1.0                 | 8.1                                                            | 10                                                                           | 100.00                                                        | 15.0                                                 | 1.5KE10      | 1.5KE10C   |
| 1.5KE10(C)A-G  | 9.50                                                      | 10.50   | 1.0                 | 8.6                                                            | 10                                                                           | 103.45                                                        | 14.5                                                 | 1.5KE10A     | 1.5KE10CA  |
| 1.5KE11(C)-G   | 9.90                                                      | 12.10   | 1.0                 | 8.9                                                            | 5.0                                                                          | 92.59                                                         | 16.2                                                 | 1.5KE11      | 1.5KE11C   |
| 1.5KE11(C)A-G  | 10.45                                                     | 11.55   | 1.0                 | 9.4                                                            | 5.0                                                                          | 96.15                                                         | 15.6                                                 | 1.5KE11A     | 1.5KE11CA  |
| 1.5KE12(C)-G   | 10.80                                                     | 13.20   | 1.0                 | 9.7                                                            | 5.0                                                                          | 86.71                                                         | 17.3                                                 | 1.5KE12      | 1.5KE12C   |
| 1.5KE12(C)A-G  | 11.40                                                     | 12.60   | 1.0                 | 10.2                                                           | 5.0                                                                          | 89.82                                                         | 16.7                                                 | 1.5KE12A     | 1.5KE12CA  |
| 1.5KE13(C)-G   | 11.70                                                     | 14.30   | 1.0                 | 10.5                                                           | 5.0                                                                          | 78.95                                                         | 19.0                                                 | 1.5KE13      | 1.5KE13C   |
| 1.5KE13(C)A-G  | 12.35                                                     | 13.65   | 1.0                 | 11.1                                                           | 5.0                                                                          | 82.42                                                         | 18.2                                                 | 1.5KE13A     | 1.5KE13CA  |
| 1.5KE15(C)-G   | 13.50                                                     | 16.50   | 1.0                 | 12.1                                                           | 5.0                                                                          | 68.18                                                         | 22.0                                                 | 1.5KE15      | 1.5KE15C   |
| 1.5KE15(C)A-G  | 14.25                                                     | 15.75   | 1.0                 | 12.8                                                           | 5.0                                                                          | 70.75                                                         | 21.2                                                 | 1.5KE15A     | 1.5KE15CA  |
| 1.5KE16(C)-G   | 14.40                                                     | 17.60   | 1.0                 | 12.9                                                           | 5.0                                                                          | 63.83                                                         | 23.5                                                 | 1.5KE16      | 1.5KE16C   |
| 1.5KE16(C)A-G  | 15.20                                                     | 16.80   | 1.0                 | 13.6                                                           | 5.0                                                                          | 66.67                                                         | 22.5                                                 | 1.5KE16A     | 1.5KE16CA  |
| 1.5KE18(C)-G   | 16.20                                                     | 19.80   | 1.0                 | 14.5                                                           | 5.0                                                                          | 56.60                                                         | 26.5                                                 | 1.5KE18      | 1.5KE18C   |
| 1.5KE18(C)A-G  | 17.10                                                     | 18.90   | 1.0                 | 15.3                                                           | 5.0                                                                          | 59.52                                                         | 25.2                                                 | 1.5KE18A     | 1.5KE18CA  |
| 1.5KE20(C)-G   | 18.00                                                     | 22.00   | 1.0                 | 16.2                                                           | 5.0                                                                          | 51.55                                                         | 29.1                                                 | 1.5KE20      | 1.5KE20C   |
| 1.5KE20(C)A-G  | 19.00                                                     | 21.00   | 1.0                 | 17.1                                                           | 5.0                                                                          | 54.15                                                         | 27.7                                                 | 1.5KE20A     | 1.5KE20CA  |
| 1.5KE22(C)-G   | 19.80                                                     | 24.20   | 1.0                 | 17.8                                                           | 5.0                                                                          | 47.02                                                         | 31.9                                                 | 1.5KE22      | 1.5KE22C   |
| 1.5KE22(C)A-G  | 20.90                                                     | 23.10   | 1.0                 | 18.8                                                           | 5.0                                                                          | 49.02                                                         | 30.6                                                 | 1.5KE22A     | 1.5KE22CA  |
| 1.5KE24(C)-G   | 21.60                                                     | 26.40   | 1.0                 | 19.4                                                           | 5.0                                                                          | 43.23                                                         | 34.7                                                 | 1.5KE24      | 1.5KE24C   |
| 1.5KE24(C)A-G  | 22.80                                                     | 25.20   | 1.0                 | 20.5                                                           | 5.0                                                                          | 45.18                                                         | 33.2                                                 | 1.5KE24A     | 1.5KE24CA  |
| 1.5KE27(C)-G   | 24.30                                                     | 29.70   | 1.0                 | 21.8                                                           | 5.0                                                                          | 38.36                                                         | 39.1                                                 | 1.5KE27      | 1.5KE27C   |
| 1.5KE27(C)A-G  | 25.65                                                     | 28.35   | 1.0                 | 23.1                                                           | 5.0                                                                          | 40.00                                                         | 37.5                                                 | 1.5KE27A     | 1.5KE27CA  |
| 1.5KE30(C)-G   | 27.00                                                     | 33.00   | 1.0                 | 24.3                                                           | 5.0                                                                          | 34.48                                                         | 43.5                                                 | 1.5KE30      | 1.5KE30C   |
| 1.5KE30(C)A-G  | 28.50                                                     | 31.50   | 1.0                 | 25.6                                                           | 5.0                                                                          | 36.23                                                         | 41.4                                                 | 1.5KE30A     | 1.5KE30CA  |
| 1.5KE33(C)-G   | 29.70                                                     | 36.30   | 1.0                 | 26.8                                                           | 5.0                                                                          | 31.45                                                         | 47.7                                                 | 1.5KE33      | 1.5KE33C   |
| 1.5KE33(C)A-G  | 31.35                                                     | 34.65   | 1.0                 | 28.2                                                           | 5.0                                                                          | 32.82                                                         | 45.7                                                 | 1.5KE33A     | 1.5KE33CA  |
| 1.5KE36(C)-G   | 32.40                                                     | 39.60   | 1.0                 | 29.1                                                           | 5.0                                                                          | 28.85                                                         | 52.0                                                 | 1.5KE36      | 1.5KE36C   |
| 1.5KE36(C)A-G  | 34.20                                                     | 37.80   | 1.0                 | 30.8                                                           | 5.0                                                                          | 30.06                                                         | 49.9                                                 | 1.5KE36A     | 1.5KE36CA  |
| 1.5KE39(C)-G   | 35.10                                                     | 42.90   | 1.0                 | 31.6                                                           | 5.0                                                                          | 26.60                                                         | 56.4                                                 | 1.5KE39      | 1.5KE39C   |
| 1.5KE39(C)A-G  | 37.05                                                     | 40.95   | 1.0                 | 33.3                                                           | 5.0                                                                          | 27.83                                                         | 53.9                                                 | 1.5KE39A     | 1.5KE39CA  |
| 1.5KE43(C)-G   | 38.70                                                     | 47.30   | 1.0                 | 34.8                                                           | 5.0                                                                          | 24.23                                                         | 61.9                                                 | 1.5KE43      | 1.5KE43C   |
| 1.5KE43(C)A-G  | 40.85                                                     | 45.15   | 1.0                 | 36.8                                                           | 5.0                                                                          | 25.30                                                         | 59.3                                                 | 1.5KE43A     | 1.5KE43CA  |
| 1.5KE47(C)-G   | 42.30                                                     | 51.70   | 1.0                 | 38.1                                                           | 5.0                                                                          | 22.12                                                         | 67.8                                                 | 1.5KE47      | 1.5KE47C   |
| 1.5KE47(C)A-G  | 44.65                                                     | 49.35   | 1.0                 | 40.2                                                           | 5.0                                                                          | 23.15                                                         | 64.8                                                 | 1.5KE47A     | 1.5KE47CA  |
| 1.5KE51(C)-G   | 45.90                                                     | 56.10   | 1.0                 | 41.3                                                           | 5.0                                                                          | 20.41                                                         | 73.5                                                 | 1.5KE51      | 1.5KE51C   |
| 1.5KE51(C)A-G  | 48.45                                                     | 53.55   | 1.0                 | 43.6                                                           | 5.0                                                                          | 21.40                                                         | 70.1                                                 | 1.5KE51A     | 1.5KE51CA  |
| 1.5KE56(C)-G   | 50.40                                                     | 61.60   | 1.0                 | 45.4                                                           | 5.0                                                                          | 18.63                                                         | 80.5                                                 | 1.5KE56      | 1.5KE56C   |
| 1.5KE56(C)A-G  | 53.20                                                     | 58.80   | 1.0                 | 47.8                                                           | 5.0                                                                          | 19.48                                                         | 77.0                                                 | 1.5KE56A     | 1.5KE56CA  |
| 1.5KE62(C)-G   | 55.80                                                     | 68.20   | 1.0                 | 50.2                                                           | 5.0                                                                          | 16.85                                                         | 89.0                                                 | 1.5KE62      | 1.5KE62C   |
| 1.5KE62(C)A-G  | 58.90                                                     | 65.10   | 1.0                 | 53.0                                                           | 5.0                                                                          | 17.65                                                         | 85.0                                                 | 1.5KE62A     | 1.5KE62CA  |

# 1500W Transient Voltage Suppressor

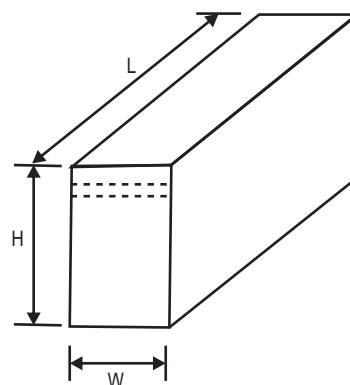
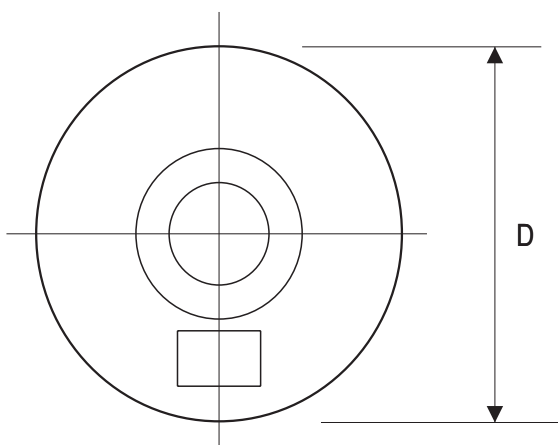
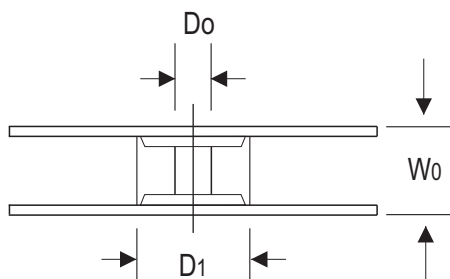
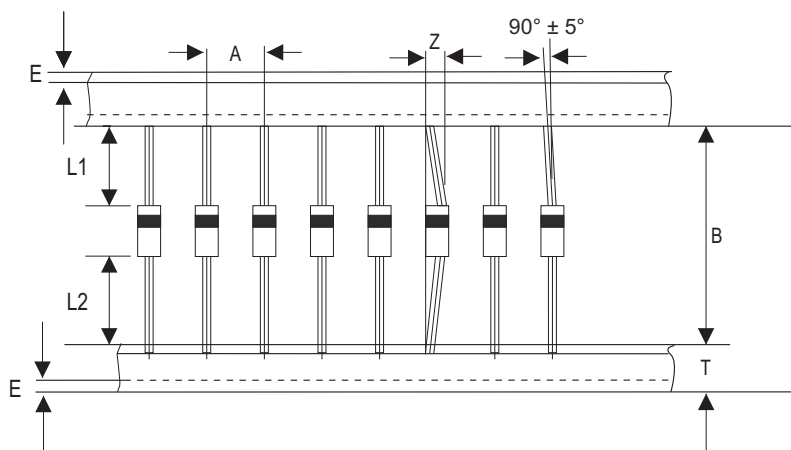


## Electrical Characteristics (1.5KE6.8-G Thru. 1.5KE600-G)

| Part No.       | Breakdown Voltage<br>V <sub>BR</sub> (V) @ I <sub>T</sub> |         |                     | Working<br>Peak<br>Reverse<br>Voltage<br>V <sub>RWM</sub> (V) | Maximum<br>Reverse<br>Leakage<br>at V <sub>RWM</sub><br>I <sub>R</sub> (μA) | Maximum<br>Reverse<br>Surge<br>Current<br>I <sub>PP</sub> (A) | Maximum<br>Clamping<br>Voltage<br>V <sub>c</sub> (V) | Marking Code |            |
|----------------|-----------------------------------------------------------|---------|---------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------|--------------|------------|
|                | MIN.(V)                                                   | MAX.(V) | I <sub>T</sub> (mA) |                                                               |                                                                             |                                                               |                                                      | UNI          | BI         |
| 1.5KE68(C)-G   | 61.20                                                     | 74.80   | 1.0                 | 55.1                                                          | 5.0                                                                         | 15.31                                                         | 98.0                                                 | 1.5KE68      | 1.5KE68C   |
| 1.5KE68(C)A-G  | 64.60                                                     | 71.40   | 1.0                 | 58.1                                                          | 5.0                                                                         | 16.30                                                         | 92.0                                                 | 1.5KE68A     | 1.5KE68CA  |
| 1.5KE75(C)-G   | 67.50                                                     | 82.50   | 1.0                 | 60.7                                                          | 5.0                                                                         | 13.89                                                         | 108.0                                                | 1.5KE75      | 1.5KE75C   |
| 1.5KE75(C)A-G  | 71.25                                                     | 78.75   | 1.0                 | 64.1                                                          | 5.0                                                                         | 14.56                                                         | 103.0                                                | 1.5KE75A     | 1.5KE75CA  |
| 1.5KE82(C)-G   | 73.80                                                     | 90.20   | 1.0                 | 66.4                                                          | 5.0                                                                         | 12.71                                                         | 118.0                                                | 1.5KE82      | 1.5KE82C   |
| 1.5KE82(C)A-G  | 77.90                                                     | 86.10   | 1.0                 | 70.1                                                          | 5.0                                                                         | 13.27                                                         | 113.0                                                | 1.5KE82A     | 1.5KE82CA  |
| 1.5KE91(C)-G   | 81.90                                                     | 100.10  | 1.0                 | 73.7                                                          | 5.0                                                                         | 11.45                                                         | 131.0                                                | 1.5KE91      | 1.5KE91C   |
| 1.5KE91(C)A-G  | 86.45                                                     | 95.55   | 1.0                 | 77.8                                                          | 5.0                                                                         | 12.00                                                         | 125.0                                                | 1.5KE91A     | 1.5KE91CA  |
| 1.5KE100(C)-G  | 90.00                                                     | 110.00  | 1.0                 | 81.0                                                          | 5.0                                                                         | 10.42                                                         | 144.0                                                | 1.5KE100     | 1.5KE100C  |
| 1.5KE100(C)A-G | 95.00                                                     | 105.00  | 1.0                 | 85.5                                                          | 5.0                                                                         | 10.95                                                         | 137.0                                                | 1.5KE100A    | 1.5KE100CA |
| 1.5KE110(C)-G  | 99.00                                                     | 121.00  | 1.0                 | 89.2                                                          | 5.0                                                                         | 9.49                                                          | 158.0                                                | 1.5KE110     | 1.5KE110C  |
| 1.5KE110(C)A-G | 104.50                                                    | 115.50  | 1.0                 | 94.0                                                          | 5.0                                                                         | 9.87                                                          | 152.0                                                | 1.5KE110A    | 1.5KE110CA |
| 1.5KE120(C)-G  | 108.00                                                    | 132.00  | 1.0                 | 97.2                                                          | 5.0                                                                         | 8.67                                                          | 173.0                                                | 1.5KE120     | 1.5KE120C  |
| 1.5KE120(C)A-G | 114.00                                                    | 126.00  | 1.0                 | 102.0                                                         | 5.0                                                                         | 9.09                                                          | 165.0                                                | 1.5KE120A    | 1.5KE120CA |
| 1.5KE130(C)-G  | 117.00                                                    | 143.00  | 1.0                 | 105.0                                                         | 5.0                                                                         | 8.02                                                          | 187.0                                                | 1.5KE130     | 1.5KE130C  |
| 1.5KE130(C)A-G | 123.50                                                    | 136.50  | 1.0                 | 111.0                                                         | 5.0                                                                         | 8.38                                                          | 179.0                                                | 1.5KE130A    | 1.5KE130CA |
| 1.5KE150(C)-G  | 135.00                                                    | 165.00  | 1.0                 | 121.0                                                         | 5.0                                                                         | 6.98                                                          | 215.0                                                | 1.5KE150     | 1.5KE150C  |
| 1.5KE150(C)A-G | 142.50                                                    | 157.50  | 1.0                 | 128.0                                                         | 5.0                                                                         | 7.25                                                          | 207.0                                                | 1.5KE150A    | 1.5KE150CA |
| 1.5KE160(C)-G  | 144.00                                                    | 176.00  | 1.0                 | 130.0                                                         | 5.0                                                                         | 6.52                                                          | 230.0                                                | 1.5KE160     | 1.5KE160C  |
| 1.5KE160(C)A-G | 152.00                                                    | 168.00  | 1.0                 | 136.0                                                         | 5.0                                                                         | 6.85                                                          | 219.0                                                | 1.5KE160A    | 1.5KE160CA |
| 1.5KE170(C)-G  | 153.00                                                    | 187.00  | 1.0                 | 138.0                                                         | 5.0                                                                         | 6.15                                                          | 244.0                                                | 1.5KE170     | 1.5KE170C  |
| 1.5KE170(C)A-G | 161.50                                                    | 178.50  | 1.0                 | 145.0                                                         | 5.0                                                                         | 6.41                                                          | 234.0                                                | 1.5KE170A    | 1.5KE170CA |
| 1.5KE180(C)-G  | 162.00                                                    | 198.00  | 1.0                 | 146.0                                                         | 5.0                                                                         | 5.81                                                          | 258.0                                                | 1.5KE180     | 1.5KE180C  |
| 1.5KE180(C)A-G | 171.00                                                    | 189.00  | 1.0                 | 154.0                                                         | 5.0                                                                         | 6.10                                                          | 246.0                                                | 1.5KE180A    | 1.5KE180CA |
| 1.5KE200(C)-G  | 180.00                                                    | 220.00  | 1.0                 | 162.0                                                         | 5.0                                                                         | 5.23                                                          | 287.0                                                | 1.5KE200     | 1.5KE200C  |
| 1.5KE200(C)A-G | 190.00                                                    | 210.00  | 1.0                 | 171.0                                                         | 5.0                                                                         | 5.47                                                          | 274.0                                                | 1.5KE200A    | 1.5KE200CA |
| 1.5KE220(C)-G  | 198.00                                                    | 242.00  | 1.0                 | 175.0                                                         | 5.0                                                                         | 4.36                                                          | 344.0                                                | 1.5KE220     | 1.5KE220C  |
| 1.5KE220(C)A-G | 209.00                                                    | 231.00  | 1.0                 | 185.0                                                         | 5.0                                                                         | 4.57                                                          | 328.0                                                | 1.5KE220A    | 1.5KE220CA |
| 1.5KE250(C)-G  | 225.00                                                    | 275.00  | 1.0                 | 202.0                                                         | 5.0                                                                         | 4.17                                                          | 360.0                                                | 1.5KE250     | 1.5KE250C  |
| 1.5KE250(C)A-G | 237.50                                                    | 262.50  | 1.0                 | 214.0                                                         | 5.0                                                                         | 4.36                                                          | 344.0                                                | 1.5KE250A    | 1.5KE250CA |
| 1.5KE300(C)-G  | 270.00                                                    | 330.00  | 1.0                 | 243.0                                                         | 5.0                                                                         | 3.49                                                          | 430.0                                                | 1.5KE300     | 1.5KE300C  |
| 1.5KE300(C)A-G | 285.00                                                    | 315.00  | 1.0                 | 256.0                                                         | 5.0                                                                         | 3.62                                                          | 414.0                                                | 1.5KE300A    | 1.5KE300CA |
| 1.5KE350(C)-G  | 315.00                                                    | 385.00  | 1.0                 | 284.2                                                         | 5.0                                                                         | 2.98                                                          | 504.0                                                | 1.5KE350     | 1.5KE350C  |
| 1.5KE350(C)A-G | 332.50                                                    | 367.50  | 1.0                 | 299.3                                                         | 5.0                                                                         | 3.11                                                          | 482.0                                                | 1.5KE350A    | 1.5KE350CA |
| 1.5KE380(C)-G  | 342.00                                                    | 418.00  | 1.0                 | 308.6                                                         | 5.0                                                                         | 2.74                                                          | 547.2                                                | 1.5KE380     | 1.5KE380C  |
| 1.5KE380(C)A-G | 361.00                                                    | 399.00  | 1.0                 | 324.9                                                         | 5.0                                                                         | 2.86                                                          | 524.4                                                | 1.5KE380A    | 1.5KE380CA |
| 1.5KE400(C)-G  | 360.00                                                    | 440.00  | 1.0                 | 324.8                                                         | 5.0                                                                         | 2.60                                                          | 574.0                                                | 1.5KE400     | 1.5KE400C  |
| 1.5KE400(C)A-G | 380.00                                                    | 420.00  | 1.0                 | 342.0                                                         | 5.0                                                                         | 2.72                                                          | 548.0                                                | 1.5KE400A    | 1.5KE400CA |
| 1.5KE440(C)-G  | 396.00                                                    | 484.00  | 1.0                 | 357.3                                                         | 5.0                                                                         | 2.37                                                          | 631.0                                                | 1.5KE440     | 1.5KE440C  |
| 1.5KE440(C)A-G | 418.00                                                    | 462.00  | 1.0                 | 376.2                                                         | 5.0                                                                         | 2.47                                                          | 602.0                                                | 1.5KE440A    | 1.5KE440CA |
| 1.5KE500(C)-G  | 450.00                                                    | 550.00  | 1.0                 | 406.0                                                         | 5.0                                                                         | 2.08                                                          | 720.0                                                | 1.5KE500     | 1.5KE500C  |
| 1.5KE500(C)A-G | 475.00                                                    | 525.00  | 1.0                 | 427.5                                                         | 5.0                                                                         | 2.17                                                          | 690.0                                                | 1.5KE500A    | 1.5KE500CA |
| 1.5KE520(C)-G  | 468.00                                                    | 572.00  | 1.0                 | 422.2                                                         | 5.0                                                                         | 2.00                                                          | 748.8                                                | 1.5KE520     | 1.5KE520C  |
| 1.5KE520(C)A-G | 494.00                                                    | 546.00  | 1.0                 | 444.6                                                         | 5.0                                                                         | 2.09                                                          | 717.6                                                | 1.5KE520A    | 1.5KE520CA |
| 1.5KE550(C)-G  | 495.00                                                    | 605.00  | 1.0                 | 446.6                                                         | 5.0                                                                         | 1.89                                                          | 792.0                                                | 1.5KE550     | 1.5KE550C  |
| 1.5KE550(C)A-G | 522.50                                                    | 577.50  | 1.0                 | 470.3                                                         | 5.0                                                                         | 1.98                                                          | 759.0                                                | 1.5KE550A    | 1.5KE550CA |
| 1.5KE600(C)-G  | 540.00                                                    | 660.00  | 1.0                 | 487.2                                                         | 5.0                                                                         | 1.74                                                          | 864.0                                                | 1.5KE600     | 1.5KE600C  |
| 1.5KE600(C)A-G | 570.00                                                    | 630.00  | 1.0                 | 513.0                                                         | 5.0                                                                         | 1.81                                                          | 828.0                                                | 1.5KE600A    | 1.5KE600CA |

Notes: 1. Suffix A denotes 5% tolerance devices. Without A denotes 10% tolerance devices.  
 2. Add suffix C or CA after part number to specify bi-directional devices.  
 3. For bi-directional devices having V<sub>R</sub> of 10 volts and under, the I<sub>R</sub> limit is double.

## Taping Specification For Axial Lead Diodes



| DO-201 | SYMBOL | A             | B             | Z           | T             | E           | L1          | L2          |
|--------|--------|---------------|---------------|-------------|---------------|-------------|-------------|-------------|
|        | (mm)   | 10.00 ± 0.50  | 52.00 ± 0.50  | 1.20 (max)  | 6.00 ± 0.40   | 1.00 (max)  | 1.00 (max)  | 1.00 (max)  |
|        | (inch) | 0.394 ± 0.020 | 2.047 ± 0.020 | 0.047 (max) | 0.236 ± 0.016 | 0.039 (max) | 0.039 (max) | 0.039 (max) |

| DO-201 | SYMBOL | D1            | D0            | D      | W0            | L      | W     | H      |
|--------|--------|---------------|---------------|--------|---------------|--------|-------|--------|
|        | (mm)   | 85.70 ± 0.30  | 16.60 ± 0.40  | 330.00 | 72.00 ± 3.00  | 260.00 | 75.00 | 145.00 |
|        | (inch) | 3.374 ± 0.012 | 0.654 ± 0.016 | 13.000 | 2.835 ± 0.118 | 10.236 | 2.953 | 5.709  |

## Marking Code

| Packaging | Code | Part Number    |                 |
|-----------|------|----------------|-----------------|
| AMMO PACK | NA   | 1.5KEXXX(C)-G  | 1.5KEXXX(C)A-G  |
| REEL PACK | T    | 1.5KEXXX(C)T-G | 1.5KEXXX(C)AT-G |
| BULK PACK | B    | 1.5KEXXX(C)B-G | 1.5KEXXX(C)AB-G |

Note: (1) Suffix code after part number to specify packaging item.  
 (2) XXX on behalf of serial products.

## Standard Packaging

| Case Type | REEL PACK       |                       |
|-----------|-----------------|-----------------------|
|           | REEL<br>( pcs ) | Reel Size<br>( inch ) |
| DO-201AD  | 1,200           | 13                    |

| Case Type | AMMO PACK      |                   |
|-----------|----------------|-------------------|
|           | BOX<br>( pcs ) | CARTON<br>( pcs ) |
| DO-201AD  | 1,000          | 10,000            |

| Case Type | BULK PACK      |                   |
|-----------|----------------|-------------------|
|           | BOX<br>( pcs ) | CARTON<br>( pcs ) |
| DO-201AD  | 200            | 10,000            |