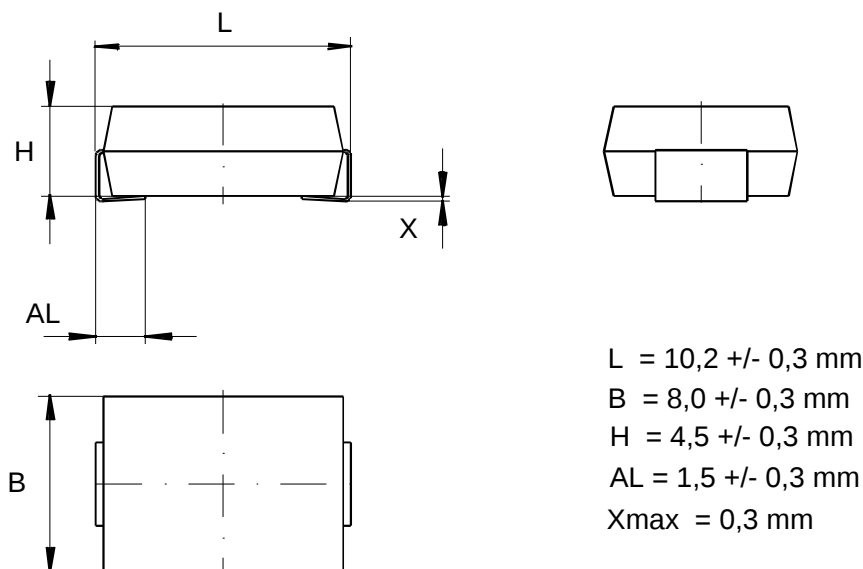


## SIOV nomenclature

|      |   |                                         |
|------|---|-----------------------------------------|
| CU   | = | Chip encapsulated                       |
| 4032 | = | 40/100" x 32/100" = 10,0 mm x 8,0 mm    |
| K    | = | Tolerance of $V_V$ at 1 mA: $\pm 10 \%$ |
| 230  | = | Max. AC voltage                         |
| G2   | = | Taped and reeled ( 1000 pcs/reel )      |
| K1   | = | sealed type                             |

**Figure:** Dimensions given in Millimeters (mm)

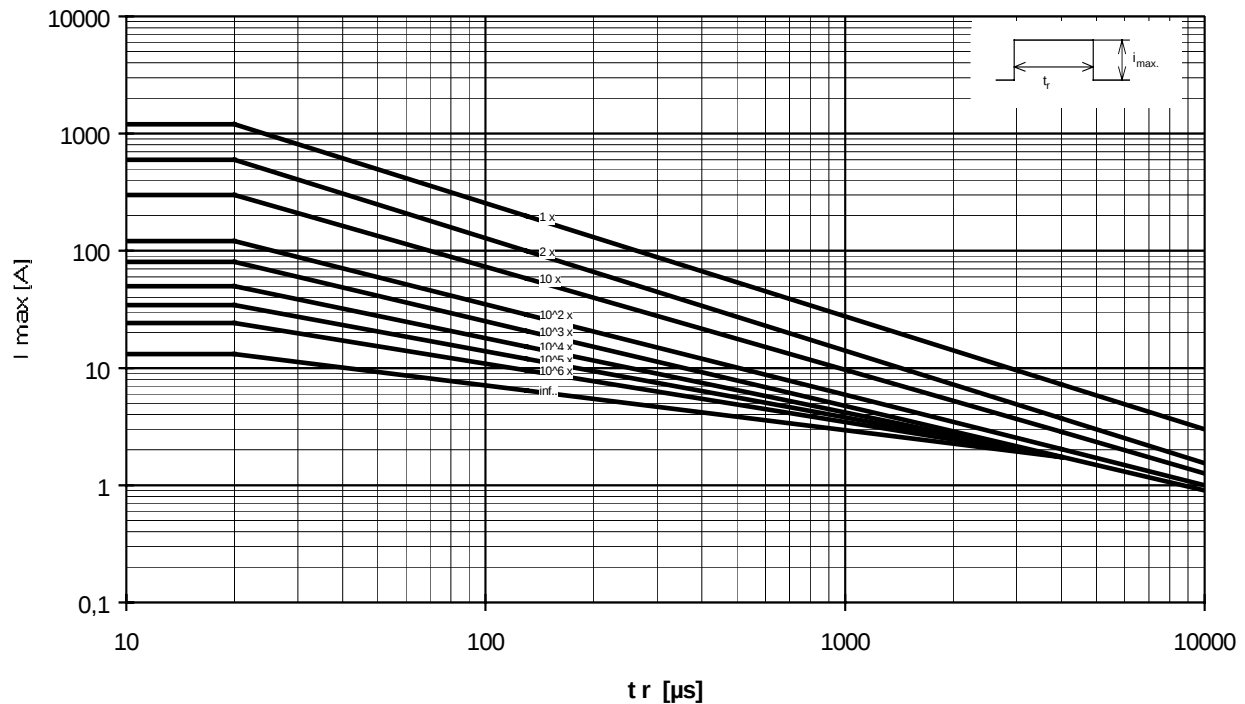


## Electrical data:

|                                                |                                             |                    |   |                 |
|------------------------------------------------|---------------------------------------------|--------------------|---|-----------------|
| Maximum ratings:<br>( $T = 85^\circ\text{C}$ ) | Max. operating AC voltage                   | $V_{\text{RMS}}$   | = | 230V            |
|                                                | Max. operating DC voltage                   | $V_{\text{DC}}$    | = | 300V            |
|                                                | Surge current ( 8/20 $\mu\text{s}$ ) 1 time | $I_{\text{max}}$   | = | 1200A           |
|                                                | Energy absorption ( 2 ms )                  | $W_{\text{max}}$   | = | 17,0J           |
|                                                | Average power dissipation                   | $P_{\text{max}}$   | = | 0,25W           |
| Characteristics:<br>( $T = 25^\circ\text{C}$ ) | Varistor voltage at 1 mA                    | $V_V$              | = | 360V $\pm 10\%$ |
|                                                | Clamping voltage at 10 A                    | $V_{\text{c max}}$ | = | 595V            |
|                                                | Typ. capacitance at 1 kHz                   | C                  | = | 115pF           |

|            |          |       |   |           |          |      |     |
|------------|----------|-------|---|-----------|----------|------|-----|
| ISSUE DATE | 20.02.03 | ISSUE | a | PUBLISHER | KB VS PE | PAGE | 1/2 |
|------------|----------|-------|---|-----------|----------|------|-----|

## Derating:



**Note:** More details can be found in the data book 'SIOV Metal Oxide Varistors', Ordering No. EPC: 62002-7600

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|------------|----------|-------|---|-----------|----------|------|-----|
| ISSUE DATE | 20.02.03 | ISSUE | a | PUBLISHER | KB VS PE | PAGE | 2/2 |
|------------|----------|-------|---|-----------|----------|------|-----|