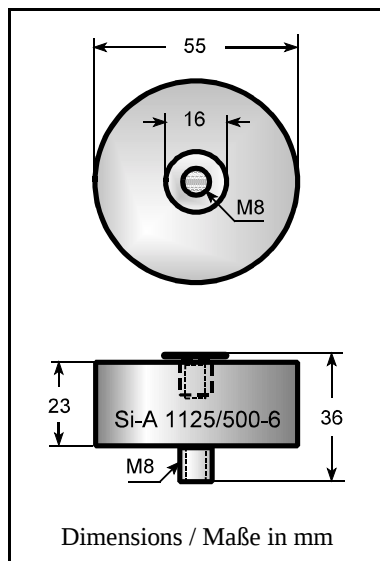


**High Voltage Si-Rectifier Modul****Si-Hochspannungs-Gleichrichter Modul**

|                                                                                   |                |
|-----------------------------------------------------------------------------------|----------------|
| Nominal current – Nennstrom                                                       | 2.5 A          |
| Repetitive peak reverse voltage<br>Periodische Spitzensperrspannung               | 8000 V         |
| Plastic case<br>Kunststoffgehäuse                                                 | Ø 55 x 36 [mm] |
| Weight approx. – Gewicht ca.                                                      | 125 g          |
| Casting compound has UL classification 94V-0<br>Vergußmasse UL94V-0 klassifiziert |                |
| Standard packaging: bulk<br>Standard Lieferform: lose im Karton                   |                |

**Maximum ratings****Grenzwerte**

| Type<br>Typ        | Rated DC voltage<br>Anschlußgleichspg.<br>$V_{RD}$ [V] | Alternat. input volt.<br>Eingangswechselspg.<br>$V_{VRMS}$ [V] | Rep. peak reverse volt.<br>Period. Spitzensperrspg.<br>$V_{RRM}$ [V] |
|--------------------|--------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------|
| Si-A 3000/1350-2.5 | 1350                                                   | 3000                                                           | 8000                                                                 |

|                                                                                                      |                          |                |                                |
|------------------------------------------------------------------------------------------------------|--------------------------|----------------|--------------------------------|
| Max. average forward rectified current, R-load<br>Dauergrenzstrom in Einwegschaltung, R-Last         | $T_A = 25^\circ\text{C}$ | $I_{FAV}$      | 2.5 A                          |
| Peak forward surge current, 50 Hz half sine-wave<br>Stoßstrom für eine 50 Hz Sinus-Halbwellen        | $T_A = 25^\circ\text{C}$ | $I_{FSM}$      | 100 A                          |
| Rating for fusing, $t < 10$ ms<br>Grenzlastintegral, $t < 10$ ms                                     | $T_A = 25^\circ\text{C}$ | $i^2t$         | 50 A <sup>2</sup> s            |
| Operating junction temperature – Sperrschichttemperatur<br>Storage temperature – Lagerungstemperatur |                          | $T_j$<br>$T_s$ | – 50...+150°C<br>– 50...+150°C |

**Characteristics****Kennwerte**

|                                     |                          |                 |       |          |
|-------------------------------------|--------------------------|-----------------|-------|----------|
| Forward voltage<br>Durchlaßspannung | $T_j = 25^\circ\text{C}$ | $I_F = 2.5$ A   | $V_F$ | < 9.0 V  |
| Leakage current<br>Sperrstrom       | $T_j = 25^\circ\text{C}$ | $V_R = V_{RRM}$ | $I_R$ | < 100 µA |