

Thyristor / Diode Modules / SEMITOP

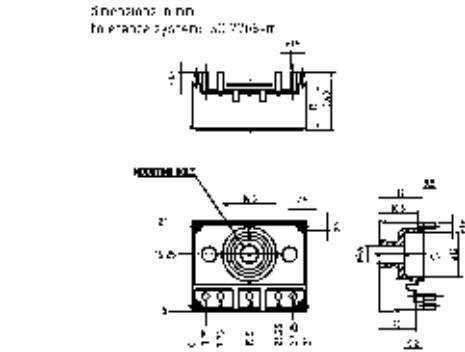
| Type                     | $V_{RRM}$<br>$V_{DRM}$<br><b>V</b> | $I_{TAV}$<br>$I_{FAV}$ @ $T_s$<br><b>A</b> | $T_s$<br><b>°C</b> | $I_{TSM}$<br>$I_{FSM}$ @ $T_{jmax}$<br><b>A</b> | $V_{T(TO)}$ @ $T_{jmax}$<br><b>V</b> | $r_T$ @ $T_{jmax}$<br><b>mΩ</b> | $R_{th(j-s)}$ per chip<br><b>K/W</b> | $T_j$<br><b>°C</b> | Case | Circuit |
|--------------------------|------------------------------------|--------------------------------------------|--------------------|-------------------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|--------------------|------|---------|
| SK 35 TAA <sup>2)</sup>  | 800-1600                           | 35                                         | 80                 | 380                                             | 0.85                                 | 9.10                            | 1.2                                  | -40 ... +130       | 2    |         |
| SK 55 TAA                | 800-1600                           | 55                                         | 80                 | 900                                             | 0.85                                 | 5.70                            | 0.8                                  | -40 ... +130       | 2    |         |
| SK 75 TAA <sup>2)</sup>  | 800-1600                           | 75                                         | 80                 | 1500                                            | 0.90                                 | 4.50                            | 0.6                                  | -40 ... +130       | 2    |         |
| SK 100 TAA <sup>2)</sup> | 800-1600                           | 100                                        | 80                 | 2000                                            | 0.90                                 | 3.50                            | 0.45                                 | -40 ... +130       | 2    |         |
| SK 75 TAE 12             | 1200                               | 75                                         | 80                 | 1250                                            | 0.85                                 | 4.40                            | 0.6                                  | -40 ... +130       | 2    |         |
| SK 25 KQ                 | 800-1600                           | 29                                         | 85                 | 280                                             | 1.10                                 | 20.00                           | 1.7                                  | -40 ... +125       | 1    |         |
| SK 45 KQ                 | 800-1600                           | 47                                         | 85                 | 380                                             | 1.00                                 | 10.00                           | 1.2                                  | -40 ... +125       | 1    |         |
| SK 70 KQ                 | 800-1600                           | 72                                         | 85                 | 900                                             | 1                                    | 6.00                            | 0.8                                  | -40 ... +125       | 1    |         |
| SK 100 KQ                | 800-1600                           | 101                                        | 85                 | 1350                                            | 0.90                                 | 4.50                            | 0.6                                  | -40 ... +125       | 2    |         |
| SK 120 KQ                | 800-1600                           | 134                                        | 85                 | 1800                                            | 0.90                                 | 3.50                            | 0.45                                 | -40 ... +125       | 2    |         |
| SK 25 WT                 | 800-1600                           | 29                                         | 85                 | 280                                             | 1.10                                 | 20.00                           | 1.7                                  | -40 ... +125       | 2    |         |
| SK 45 WT                 | 800-1600                           | 47                                         | 85                 | 380                                             | 1.00                                 | 10.00                           | 1.2                                  | -40 ... +125       | 2    |         |
| SK 70 WT                 | 800-1600                           | 72                                         | 85                 | 900                                             | 1.00                                 | 6.00                            | 0.8                                  | -40 ... +125       | 3    |         |
| SK 100 WT                | 800-1600                           | 101                                        | 85                 | 1350                                            | 0.90                                 | 4.50                            | 0.6                                  | -40 ... +125       | 3    |         |
| SK 35 BZ <sup>2)</sup>   | 800-1600                           | 35                                         | 80                 | 270                                             | 0.85                                 | 14.00                           | 1.7                                  | -40 ... +125       | 2    |         |
| SK 45 STA                | 800-1600                           | 47                                         | 75                 | 380                                             | 1.00                                 | 10.00                           | 1.2                                  | -40 ... +125       | 3    |         |
| SK 25 UT                 | 800-1600                           | 29                                         | 85                 | 280                                             | 1.10                                 | 20.00                           | 1.7                                  | -40 ... +125       | 3    |         |
| SK 45 UT                 | 800-1600                           | 47                                         | 85                 | 380                                             | 1.00                                 | 10.00                           | 1.2                                  | -40 ... +125       | 3    |         |
| SK 30 DTA                | 800-1600                           | 25                                         | 80                 | 900                                             | 1.00                                 | 6.00                            | 1.7                                  | -40 ... +150       | 3    |         |
| SK 60 DTA                | 800-1600                           | 61                                         | 80                 | 1350                                            | 0.90                                 | 0.60                            | 0.6                                  | -40 ... +125       | 3    |         |
| SK 80 DTA                | 800-1600                           | 65                                         | 80                 | 1800                                            | 0.90                                 | 3.50                            | 1                                    | -40 ... +150       | 3    |         |

Footnotes: 2) In production new

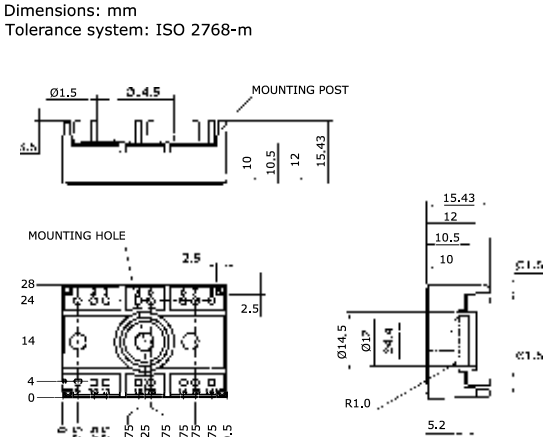
Thyristor / Diode Modules / SEMITOP

Cases

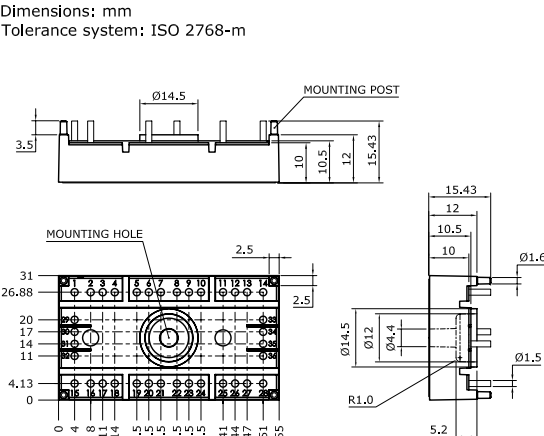
SEMISTOP 1



SEMISTOP 2



SEMISTOP 3



Dimensions in mm