

# SMTC1-2500

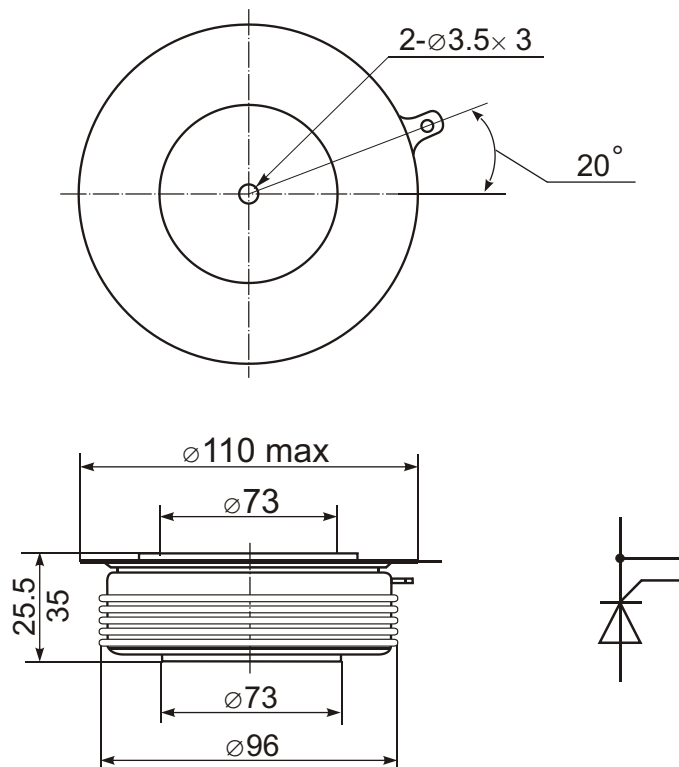


## Phase Control Thyristor



| Type          | $V_{RSM}$ | $V_{RRM}$ ,<br>$V_{DRM}$ |
|---------------|-----------|--------------------------|
| SMTC1-2500-6  | 700       | 600                      |
| SMTC1-2500-8  | 900       | 800                      |
| SMTC1-2500-10 | 1100      | 1000                     |
| SMTC1-2500-12 | 1300      | 1200                     |
| SMTC1-2500-14 | 1500      | 1400                     |
| SMTC1-2500-16 | 1700      | 1600                     |

| Type       | $I_{TAVM}$<br>$T_c=55^\circ\text{C}$ | $I_{TRMS}$ | $I_{TSM}$ | $(di/dt)_{cr}$   | $(dv/dt)_{cr}$   | $V_{TM}$ | $I_{TM}$ | $V_{TO}$ | $r_T$      | $t_q$         | $V_{GT}$ | $I_{GT}$ | $T_{VJM}$        | $R_{thJC}$ | $F$ |
|------------|--------------------------------------|------------|-----------|------------------|------------------|----------|----------|----------|------------|---------------|----------|----------|------------------|------------|-----|
|            | A                                    | kA         | kA        | A/ $\mu\text{s}$ | V/ $\mu\text{s}$ | V        | kA       | V        | m $\Omega$ | $\mu\text{s}$ | V        | mA       | $^\circ\text{C}$ | K/W        | kN  |
| SMTC1-2500 | 2500                                 | 5.2        | 31        | 250              | 1000             | 1.95     | 5.5      | 0.90     | 0.11       | 450           | 3.0      | 300      | 125              | 0.011      | 45  |



### Features:

- Hermetic metal case with ceramic insulator
- Capsule packages for double sided cooling
- International standard case
- Amplifying gates

### Typical Applications:

- DC motor control
- AC motor soft starter
- Controlled rectifiers
- AC controllers