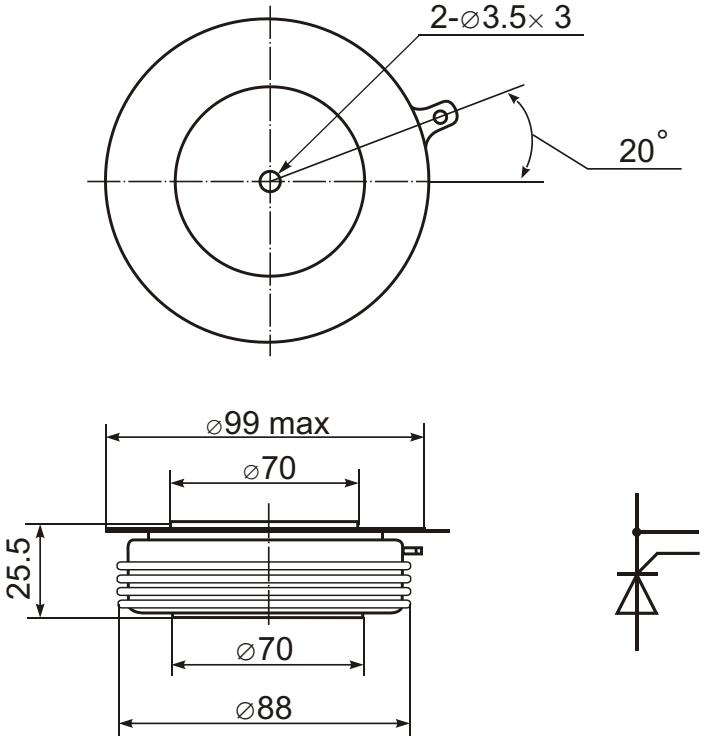
# SMTC2-2000

## Phase Control Thyristor

| Type | $V_{RSM}$ | $V_{RRM}$ , $V_{DRM}$ |
|---|---|---|
| SMTC2-2000-16 | 1700 | 1600 |
| SMTC2-2000-18 | 1900 | 1800 |
| SMTC2-2000-20 | 2100 | 2000 |
| SMTC2-2000-22 | 2300 | 2200 |

| Type | $I_{TAVM}$ $T_C$=55 °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/μs | V/μs | V | kA | V | mΩ | μs | V | mA | °C | K/W | kN |
| SMTC2-2000 | 2000 | 4.0 | 24.6 | 250 | 1000 | 2.1 | 4.5 | 0.95 | 0.17 | 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