



600A/9.5 kV Thyristor Technology

For Soft Starter and Power-Supplies

The 9.5 kV thyristor disc is developed and designed for the special requirements in medium voltage soft starter as well as for medium voltage power supply applications. For these kinds of applications it is necessary to use several thyristors in series connection. They are optimized to achieve an excellent voltage sharing under all operating conditions. The device is designed for a high surge current capability. To ensure a narrow spread of dynamic parameters which enables best cost designs with less devices in series high technology production processes are used for this type.

Of course the thyristor is suitable for general purpose line voltage rectifier applications, e.g. for power supplies or standard electrical drives.

Main Features

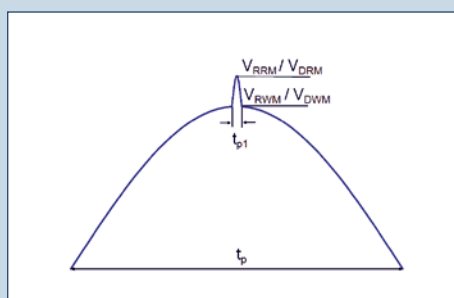
- Ratings
 - $V_{\text{DRM}} = 9500\text{V}$
 - $I_{\text{TAVM}} = 600\text{A}$
- Housing Dimensions
- Height = 26 mm
- Housing Material: Ceramic

Applications

- Medium Voltage Soft Starter
- Power Supplies
- General Purpose Electrical Drives

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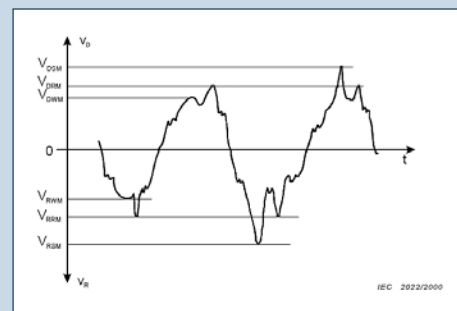


According to IEC standard 60747-6

- V_{DSM} – Non-repetitive peak off-state voltage
The highest instantaneous voltage of any non-repetitive off-state voltage.
- V_{DRM} – Repetitive peak off-state voltage
The highest instantaneous voltage of any repetitive off-state voltage.
- V_{DWM} – Crest working off-state voltage
The highest instantaneous value of the off-voltage, excluding all repetitive and non-repetitive transient voltages.

Electrical parameters

- $V_{DRM} = V_{RRM} = 9500V$
- $V_{DWM} = V_{RWM} = 8000V$
- $t_p = 10ms; t_{p1} = 300\mu s$
- $I_{TAVM} = 600A$ ($T_c = 85^\circ C$)
- $I_{TSM} = 12kA$



Sales Information

Part Number	Status	
T6000N95TOF	samples available	Q4 2011

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