540A/8 kV 2" Light triggered Thyristor
For Static Var Compensation (SVC) and Medium Voltage Drives

The 8 kV 2" light triggered thyristor disc is well suited for medium voltage drives, power supplies as well as for static Var compensation systems. The ceramic disc offers an easy way of triggering by using optic fibers to avoid insulation problems between load and trigger unit. Higher reliability thanks of less electronic components on high potential by using the internal protection functions: Break over Diode (BoD) and critical rise rate of forward off-state voltage (dv/dt) protection. This is ensured by safe internal triggering of the thyristor, repetitive operation possible. This feature allows continuous operation even in case of system failure. To ensure a narrow spread of dynamic parameters high technology production processes are used for this type.

Main Features

- **Ratings**
  - $V_{BO} = 7500V$
  - $V_{RRM} = 8000V$
  - $I_{TAVM} = 540A$
- **Housing Dimensions**
  - Diameter = 76 mm
  - Height = 35 mm

Applications

- Static Var Compensation (SVC)
- Medium Voltage Drives

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INFORMATION
For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office (www.infineon.com).

WARnINgS
Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office. Infineon Technologies Components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

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