



Power thyristors optimised for either low conduction or low switching losses

Pre-optimised application thyristors are new to Dynex comprehensive range of phase control power thyristors

such as crowbar low conduction, high power devices, high voltage power supplies and static switches.

Low switching loss range with peak voltages from 4200V to 8500V are optimised for bridge rectifiers, high power drives and high voltage power supplies.

In addition to our comprehensive range of Standard Phase Control Power Thyristors, Dynex now offers Thyristor devices that have been optimised for applications needing low conduction losses and low forward voltage (VTM) drop or for where stored charge (QS) needs to be low.

If your circuit requires a thyristor with specific stored charge or forward voltage drop is required, there is no longer always the need for customisation of devices before placing an order. Our engineering teams will continue as before to work with customers to tailor products for their specific application requirements.

Conduction loss optimised thyristor range with peak voltages from 4200V to 8500V are useful for applications

Application optimised power thyristors maintain all the key features of our standard devices:

- ✓ Double side cooling
- ✓ High surge current capability
- ✓ Aluminium diffusion techniques
- ✓ High DC blocking stability
- ✓ Thinner silicon, low conduction losses
- ✓ Full blocking voltage capability at line frequencies from -40°C to +125°C

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