

High-Power Thyristor

This is a solid-state semiconductor device with four layers of alternating N and P-type material. Primarily used in high-power applications such as AC power control, high-voltage DC transmission, and motor control circuits.



ADDITIONAL IMAGES



Product Overview

Industrial Power Switching

These high-power thyristors are advanced solid-state semiconductor devices engineered for robust performance in demanding industrial environments. Featuring a hockey-puck design for superior heat dissipation, they enable precise control of high-voltage and high-current electrical systems. They serve as reliable bistable switches for motor control, AC power management, and power supply applications.

Technical Data

Model Comparison Table

Model	IT(AV) (A)	ITSM (KA)	VTM (V)	Mounting Force (kN)
KP500	500	6	1.75	5.0-7.0
KP600	600	12	1.65	9.0-11.0
KP1250	1200	22	1.75	14.0-16.0
KP2000	2000	45	1.65	24.0-28.0

Voltage Range (VDRM/VRRM) 400-800 V

Maximum Junction Temperature (TVJM) 125 °C

Performance Metrics

Key Performance Characteristics

500 A

Starting Current Rating

2000 A

Max Current Capacity

45 KA

Max Surge Current

Application

Primary Applications

AC Power Control, Motor Drives, HVDC Transmission, Industrial Automation, Power Supplies