

Inverter Grade Thyristors



KS5-20A

Feature

- IT(AV)=100-2500A
- V DRM/V RRM=100-2500V
- Metal case with ceramic insulator
- Conform to national standard GB4193-1986
- In accordance with IEC international electrical committee standard
- High surge current capabilities
- All diffused design, Center amplifying gate
- Guaranteed high dV/dt
- Guaranteed high dI/dt
- Low thermal impedance, High speed performance

Typical application

- Inverters
- Induction heating
- Intermediate frequency power supply



KS30-200A

Type	IT(AV) A	ITSM A	VFM V	VRRM VDRM V	IRRM IDRM mA	IGT mA	IGT V	IH mA	dv/dt mA	di/dt A/μs	tq μs	Tj °C	Rjc °C/W	Weight	Out-line No
KK100A	100	160	≤ 2.6	600	≤ 30	30-150	0.5	30-150	≥ 200	≥ 100	≤ 30	-40 ~ +125	≤ 0.11	75	F1
KK200A	200	320				30-200		30-200					≤ 0.11	90/205	F2E2
KK300A	300	480	≤ 3.0	2500	≤ 40	30-200	-3.0	30-200	≥ 200	≥ 100	≤ 30	-40 ~ +125	≤ 0.08	105/290	F3E3
KK500A	500	800				30-250		30-250					≤ 0.05	205/375	F4E4
KK800A	800	1280	≤ 3.0	2500	≤ 80	30-250	-3.0	30-250	≥ 200	≥ 100	≤ 30	-40 ~ +125	≤ 0.04	230/430	F5E5
KK1000A	1000	1600				30-300		30-300					≤ 0.02	300/540	F6E6
KK1500A	1500	2400											≤ 0.02	670	E7



KA Disc Model

BI-directional Triode Thyristor(triacs)

Feature

- IT(AV)=5-2500A
- V DRM/V RRM=100-2000V
- Hermetic metal case with ceramic insulator
- Hermetic glass-metal seal
- Metal case with ceramic insulator
- Conform to partial national standard GB4193-1986
- In accordance with IEC international electrical committee standard

Typical application

- Quickspeed motor control
- Thermal control
- AC switch

Characteristic

Stud-model

Type No	IT(RSM) A	VTM V	VRRM V	IRRM mA	IGT mA	VGT V	IH mA	dv/dt mA	Tj °C	Rjc °C/W	Weight	Out-line No
KS5A	5	≤ 2.6	100 ~ 2000	≤ 30	≤ 350	≤ 3.5	≤ 250	≥ 100	-40 ~ +125	≤ 0.11	10	B1
KS10A	10										25	B2
KS20A	20										27	B3
KS30A	30										110	D2
KS50A	50										130	D3
KS100A	100										165	D4
KS200A	200										335	D5

Disc model

KS200A	200	≤ 2.6	100 ~ 2000	≤ 30	≤ 350	≤ 3.5	≤ 350	≥ 200	-40 ~ +125	≤ 0.11	90/205	F2E2
KS300A	300										105/290	F3E3
KS500A	500										205/375	F4E4
Ks800A	800										230/430	F5E5
KS1000A	1000										300/540	F6E6



KTa Disc Model



KT Disc Model