

SEMITRONICS POWER MODULES

Thyristor + Thyristor & Thyristor + Diode Types

Types Thyristor/ Thyristor		VDRM VRRM V	ITAV @ Tc 85°C VR=0 A	ITSM TVJM 10 ms A	VTO V	RT m	Rth (J-C) per chip K/W	Rth (c-s) per chip K/W	TVJM °C	Fig No.
SSKT 19-xx	SSKH 19-xx	1200/1600	18	350	0.85	18.00	1.300	0.20	125	1
SSKT 26-xx	SSKH 26-xx	1200/1800	27	460	0.85	11.00	0.880	0.20	125	1
SSKT 44-xx	SSKH 44-xx	1200/1800	49	1000	0.85	5.30	0.530	0.20	125	1
SSKT 56-xx	SSKH 56-xx	1200/1800	60	1500	0.90	3.50	0.570	0.20	125	1
SSKT 72-xx	SSKH 72-xx	1200/1800	85	1540	0.85	3.20	0.300	0.20	125	1
SSKT 94-xx	----	2000/2400	104	1540	0.85	3.20	0.220	0.20	125	1
SSKT 91-xx	SSKH 91-xx	1200/1800	95	2000	0.90	2.40	0.280	0.20	125	1
SSKT106-xx	SSKH106-xx	1200/1800	106	2250	0.90	2.40	0.280	0.20	125	1
SSKT132-xx	SSKH132-xx	1200/1800	130	4800	0.80	1.60	0.230	0.10	125	2
SSKT161-xx	----	2000/2200	175	5250	0.88	1.60	0.155	0.07	125	2
SSKT162-xx	SSKH162-xx	1200/1800	160	5400	0.85	1.50	0.155	0.07	125	2
SSKT170-xx	SSKH170-xx	1200/1800	203	5000	0.80	1.00	0.164	0.04	130	3
SSKT220-xx	SSKH220-xx	1200/1800	250	7000	0.90	1.00	0.139	0.04	140	4
SSKT224-xx	----	2000/2200	240	7000	0.80	0.76	0.139	0.04	130	3
SSKT225-xx	SSKH225-xx	1200/1800	221	7000	0.80	0.76	0.157	0.10	130	3
SSKT250-xx	SSKH250-xx	1200/1800	250	9000	0.92	0.82	0.129	0.04	140	4
SSKT255-xx	SSKH255-xx	1200/1800	250	7800	0.80	0.68	0.14	0.04	130	3
SSKT31 0-xx	SSKH310-xx	1200/1800	320	8000	0.80	0.82	0.112	0.04	140	4
SSKT312-xx	SSKH312-xx	1200/1800	320	8000	0.80	0.68	0.120	0.04	140	3
SSKT450-xxS	Single	2000/2200	464	13000	0.77	0.42	0.072	0.02	130	5
SSKT500-xxS	Single	1200/1800	560	13000	0.80	0.38	0.072	0.02	140	5

Diode + Diode Types

Type	VRRM V	IFAV @ A	Tc °C	IFSM Tvj _m 10 ms VR=0 A	VTO V	RT m	Rth (j-c) Per chip K/W	Rth (c-s) Per chip K/W	TVJM °C	Fig No.
SSKD 26-xx	1200/1800	36	100	580	0.80	6.10	1.00	0.20	150	1
SSKD 44-xx	1200/1800	59	100	1000	0.80	4.30	0.59	0.20	150	1
SSKD 56-xx	1200/1600	71	100	1200	0.80	3.00	0.51	0.20	150	1
SSKD 72-xx	1200/1800	99	100	1540	0.80	2.30	0.35	0.20	150	1
SSKD 95-xx	1200/1800	120	105	2500	0.75	1.95	0.26	0.20	150	1
SSKD142-xx	1200/1800	165	100	4100	0.80	1.30	0.21	0.10	150	2
SSKD172-xx	1200/1800	190	100	5600	0.80	0.80	0.210	0.10	150	2
SSKD220-xx	1200/1600	270	100	7500	0.75	0.90	0.129	0.04	150	4
SSKD250-xx	1200/1600	290	100	9000	0.75	0.75	0.129	0.04	150	4
SSKD255-xx	1200/1800	270	100	8400	0.80	0.60	0.140	0.04	150	3
SSKD31 0-xx	1200/1600	305	100	9600	0.75	0.63	0.129	0.04	150	4
SSKD312-xx	1200/1800	310	100	9200	0.80	0.60	0.129	0.04	150	3
SSKD500-xxS	1200/2200	560	85	13000	0.80	0.38	0.072	0.02	140	5

POWER MODULES

- Isolated Base Power Module
- Direct Copper Bonded Isolation
- Industry Standard Packages
- Passivated Chips
- Isolation Voltage of 3500VRMS~
- High Surge Capability
- Thyristor & Thyristor Types
- Thyristor & Diode Types
- Diode & Diode Types
- Single Thyristor Types
- Single Diode Types
- Special Configurations

PACKAGE SIZES

