

TCE Type	Maximum Ratings						Operating Characteristics			
	Repetitive Peak Off-State Voltage V_{DRM} V	On-State RMS Current $I_T(RMS)$ A	On-State Average Current $I_T(AVG)$ A	Peak Non-Repeat. Surge Current I_{TSM} A	Peak Reverse Gate Voltage V_{GM} V	Peak Forward Gate Current I_{GM} A	ALL TYPES			
							Forward On-State Voltage V_T V	Gate Trigger Current I_{GT} mA	Gate Trigger Voltage V_{GT} V	Holding Current I_H mA
SK3950	30	0.8	.....	6	4	1	1.7 Max	0.2 Max	0.8	5 Max
SK3951	400	0.8	.....	6	5	1	1.7 Max	0.2 Max	0.8 Max	5 Max
SK3952	600	0.8	.....	6	5	1	.....	0.2 Max	0.8 Max	5 Max
SK3953	60	4	2.55	25	6	0.2	2 Max	0.2 Max	1 Max	5 Max
SK3954	200	4	2.55	25	6	0.2	2 Max	0.2 Max	1 Max	5 Max
SK3955	400	4	2.55	25	6	0.2	2 Max	0.2 Max	1 Max	5 Max
SK3956	600	4	2.55	25	6	0.2	2 Max	0.2 Max	1 Max	5 Max
SK5236	200	10	.....	120	.....	.....	2.3 Max	0.2 Max	1.5 Max	6 Max
SK5237	400	10	.....	120	.....	.....	2.3 Max	0.2 Max	1.5 Max	6 Max
SK5238	600	10	.....	120	6	0.2	1.55	0.2 Max	0.58	3 45
SK6502	100	20	12.5	200	.....	.....	1.9	8	1.1	9
SK6615	400	20	.....	200	.....	.....	2.4 Max	15 Max	2 Max	20 Max
SK6616	600	25	.....	250	.....	.....	1.9 Max	25 Max	15 Max	50 Max
SK6621	100	35	22	350	.....	.....	1.8 Max	80 Max	30 Max	10
SK6622	100	25	22	350	.....	.....	1.7	25	11	30
SK6624	200	22	.....	350	.....	.....	1.8	80	3	.....
SK6627	400	22	.....	350	.....	.....	1.8	80	3	.....
SK6629	600	22	.....	350	.....	.....	1.8	80	3	.....
SK6631	800	35	22	355	.....	2	1.7	40	2 Max	100 Max
SK6632	1000 Max	40 Max	25	370 Max	.....	2 Max	1.7	40	2 Max	100 Max
SK6641	50	35	22	350	.....	.....	1.7	25	11	30
SK6642	100	35	22	350	.....	.....	1.7	25	1.1	30
SK6648	800	35	22	350	.....	.....	1.7	40 Max	2 Max	100 Max
SK6649	1000	35	22	350	.....	.....	1.7	40 Max	2 Max	100 Max
SK6650	50	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6651	100	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6652	200	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6654	400	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6656	600	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6658	800	25	16	300	.....	2	1.8 Max	40 Max	1	35
SK6717	200	80	50	1255	.....	.....	1.6	100	3	.....
SK6718	600	80	50	1255	.....	.....	1.6	100	3	.....
SK6719	1200	80	50	1255	.....	.....	1.6	100	3	.....
SK6720	200	125	70	1800	.....	.....	1.8	.....	.....	.....
SK6722	600	125	70	1800	.....	.....	1.8	.....	.....	.....
SK6724	1200	125	90	1800	.....	.....	1.36	.....	.....	.....
SK6725	200	125	90	2750	.....	.....	1.27	.....	.....	.....
SK6727	600	125	90	1800	.....	.....	1.36	.....	.....	.....
SK6729	1200	125	90	1800	.....	.....	1.36	.....	.....	.....
SK6730	200	275	215	5500	.....	.....	1.3	.....	.....	.....

SILICON CONTROLLED RECTIFIERS (SCRs) CONT.



Operating Characteristics						Outline No.	Application	TCE Type
ALL TYPES			GTO TYPES*		ITR** TYPES			
Critical Rate-Rise Off-State Voltage	Gate-Controlled Turn-On Time	Turn-Off Time	Gate Turn-Off Current	Gate Turn-Off Voltage	Maximum Reverse Recovery Time			
dv/dt V/ μ S	t_{gt} μ S	t_q μ S	I_{gt} mA	V_{gt} V	t_{rr} μ S			
.....	.....	.....	.....	.....	.....	S-002	Phase-Control	SK3950
.....	.....	.....	.....	.....	.....	S-002	Phase-Control	SK3951
.....	.....	.....	.....	.....	.....	S-002	Phase-Control	SK3952
10	.....	.....	.....	.....	.....	S-023	Switching	SK3953
10	.....	.....	.....	.....	.....	S-023	Switching	SK3954
10	.....	.....	.....	.....	.....	S-023	Switching	SK3955
10	.....	.....	.....	.....	.....	S-023	Switching	SK3956
2 Min	2.5	110	.....	.....	.....	S-003	Switching	SK5236
2 Min	2.5	110	.....	.....	.....	S-003	Switching	SK5237
4	1.7	50	.....	.....	.....	S-003	Switching	SK5238
100	2	20	.....	.....	.....	S-009	Switching	SK6502
100	2	.....	.....	.....	.....	S-008	Switching	SK6615
200	.....	.....	.....	.....	.....	S-008	Switching	SK6616
100	1.25	20	.....	.....	.....	S-009	Switching	SK6621
100	1.25	20	.....	.....	.....	S-009	Switching	SK6622
.....	.....	.....	.....	.....	.....	S-009	Phase-Control	SK6624
.....	.....	.....	.....	.....	.....	S-009	Phase-Control	SK6627
.....	.....	.....	.....	.....	.....	S-009	Phase-Control	SK6629
100	0.9	110	.....	.....	.....	S-009	Switching	SK6631
100	0.9	110	.....	.....	.....	S-009	Switching	SK6632
100	1.25	20	.....	.....	.....	S-009	Switching	SK6641
100	1.25	20	.....	.....	.....	S-009	Switching	SK6642
100	0.9	110	.....	.....	.....	S-009	Switching	SK6648
100	0.9	110	.....	.....	.....	S-009	Switching	SK6649
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6650
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6651
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6652
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6654
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6656
50	1.5	15	.....	.....	.....	S-003	Phase-Control	SK6658
200	.....	.....	.....	.....	.....	S-035	Phase-Control	SK6717
200	.....	.....	.....	.....	.....	S-035	Phase-Control	SK6718
200	.....	.....	.....	.....	.....	S-035	Phase-Control	SK6719
.....	.....	.....	.....	.....	.....	S-038	Phase-Control	SK6720
.....	.....	.....	.....	.....	.....	S-038	Phase-Control	SK6722
.....	.....	.....	.....	.....	.....	S-038	Phase-Control	SK6724
.....	.....	.....	.....	.....	.....	S-036	Phase-Control	SK6725
.....	.....	.....	.....	.....	.....	S-036	Phase-Control	SK6727
.....	.....	.....	.....	.....	.....	S-036	Phase-Control	SK6729
.....	.....	.....	.....	.....	.....	S-037	Phase-Control	SK6730

* GTO= Gate Turn-Off **ITR= Integrated Thyristor Rectifier