

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
SK10257	50	.....	4.7	80	.....	.....	.....	15 Max	1.5 Max	30
SK10258	600	10 Max	6.4 Max	.....	.....	.....	1.6 Max	1 - 15	0.2-1.5	.....
SK10259	100	.....	4.7	80	.....	.....	.....	15 Max	1.5 Max	30 Max
SK10260	200	.....	4.7	80	.....	.....	.....	15 Max	1.5 Max	30
SK10261	400	.....	4.7	80	.....	.....	.....	15 Max	1.5 Max	30
SK10262	600	.....	4.7	80	.....	.....	.....	15 Max	1.5 Max	30 Max
SK10263	300	7.4	4.7	84	.....	.....	1.85 Max	10	1.5	20
SK10264	500	7.4	4.7	84	.....	.....	1.85	10	1.5 Max	20
SK10401	800	9	5.7	100	.....	.....	.....	15	1.5	.....
SK10402	800	25	.....	300	.....	.....	.....	40	1.5	.....
SK10405	800	40	.....	400	.....	.....	.....	50	1.5	.....
SK10406	800	50	32	500	.....	.....	1.9	80 Max	1.5 Max	20
SK10407	400	55	35	500	.....	.....	2	80 Max	1.5 Max	20
SK10408	800	55	35	500	.....	.....	2	80 Max	1.5 Max	20

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_{gr} μ S	t_q μ S	I_{g0} mA	V_{g0} V	t_{rr} μ S			
200	.....	.....	.....	.....	.....	S-054	Phase-Control	SK10257
.....	.....	.....	.....	.....	.....	S-053	Phase-Control	SK10258
200 Min	.....	.....	.....	.....	.....	S-054	Phase-Control	SK10259
200 Min	.....	.....	.....	.....	.....	S-054	Phase-Control	SK10260
200 Min	.....	.....	.....	.....	.....	S-054	Phase-Control	SK10261
200 Min	.....	.....	.....	.....	.....	S-054	Phase-Control	SK10262
200 Min	2	30	.....	.....	.....	S-054	Phase-Control	SK10263
200 Min	2	30	.....	.....	.....	S-054	Phase-Control	SK10264
200	.....	.....	.....	.....	.....	S-056	Phase-Control	SK10401
.....	.....	.....	.....	.....	.....	S-056	Switching	SK10402
.....	.....	.....	.....	.....	.....	S-053	Switching	SK10405
500 Min	2	100	.....	.....	.....	S-057	Switching	SK10406
500 Min	2	100	.....	.....	.....	S-057	Switching	SK10407
500 Min	2	100	.....	.....	.....	S-057	Switching	SK10408

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