



PHOTOCOUPLEDERS/OPTOISOLATORS

TCE Type	Output Device Type	Maximum Ratings									
		Complete Device		Input LED		Types With Phototransistor Output			Types With Photothyristor Output		
		Total Power Dissipatn P_T mW	Isolation Voltage V_{ISO} V	Forward Current, DC I_F mA	Reverse Voltage V_R V	Breakdown Voltages		Collector Current, DC I_C mA	Repetitive Peak Off-State Voltage V_{DRM} V	On-State Current, RMS $I_T(RMS)$ mA	Peak Non-Repet. Current Surge I_{TSM} A
						Collector-To-Emitter BV_{CEO} V	Collector-To-Base BV_{CBO} V				
SK2040	NPN XSTR	250	2500	80	3	30	70	5	....	....	....
SK2041	NPN XSTR	250	3550	60	6	30	70	100	....	....	....
SK2042	NPN XSTR	250	3550	60	3	30	70	50	....	....	....
SK2043	NPN XSTR	260	3550	60	3	80	70	50	..	..	..
SK2046	SCR	250	3550	60	3	..	..	..	400 Min	..	....
SK2048	TRIAC	330	7500	50	3	..	..	..	400	100	1.2
SK2049	TRIAC	330	7500	50	3	..	..	..	250	100	1.2
SK2083	NPN XSTR	260	7500	60	6	30	30	100	....	....	....
SK2084	NPN XSTR	260	7500	60	6	55	55	100	..	....	....
SK2086	NPN XSTR	400	7500	60	3	30	30	30	..	....	....
SK2087	NPN XSTR	100	3000	10	5	..	..	....	..	....	....
SK4916	NPN XSTR	250	..	60	6	55	....	..	..	....	....
SK4929	SCR	1100	2250	60	6	..	....	..	400	....	....
SK4930	NPN XSTR	250	..	60	6	55	..	..	....	....	....
SK4931	NPN XSTR	250	..	60	6	55	..	..	....	....	....
SK4932	NPN XSTR	250	..	60	6	55	..	..	..	....	....
SK4933	SCHM TRIG	250	7500	60	6	..	..	..	..	....	....
SK4934	NPN XSTR	250	....	60	4	30	..	..	..	....	....
SK4935	NPN XSTR	250	7500	60	3	80	..	..	..	....	....
SK9705	NPN XSTR	750	..	50	....	..	..	..	..	....	....
SK9708	TRIAC	350	7500	60	3	..	..	..	250	....	1
SK9763	NPN XSTR	200	5000	50	6	35 Min	..	2.5-30	..	....	..
SK9770	NPN XSTR	145	2500	25	5	..	..	..	....	....	....
SK9965	NPN XSTR	250	....	60	4	30 Min	....	100	..	....	....
SK10178	NPN XSTR	150	5000	0.01 Max	1-1.3	55 Min	..	0.1 Max	..	....	....
SK10327	NPN XSTR	250	7500Vac	60	3	80 Min	..	50 Min	..	....	....
SK10330	FET	400	2500(RMS)	60	..	$V_{BR} = 30$	..	..	..	....	....
SK10331	NPN XSTR	200	4000(RMS)	60	6	$V_{CER} = 300$	300	100	..	....	....
SK10332	NPN XSTR	400	1770(RMS)	60	..	30	70	100	..	....	....
SK10333	NPN XSTR	145	..	25	5	15	..	8	..	....	....
SK10334	NPN XSTR	135	..	20	5	18	..	60	..	....	....
SK10335	NPN XSTR	90	..	25	5	..	20	8	..	....	....
SK10336	TRIAC	250	7500	60	6	..	..	..	400	..	1
SK10337	NPN XSTR	250	7500	60	6	30	70	150	..	....	....
SK10404	LOGIC	60 PC	2500(RMS)	15	5	..	7 V0	16 I0	..	....	....



Electro-Optical Characteristics								TCE Type
Phototransistor Output		Types With Phototransistor Output					Outline No.	
Forward Current Transfer Ratio	Frequency Response	Forward On-State Voltage (All)	Gate Trigger Current (SCR's)	Gate Trigger Voltage (SCR's)	LED Turn-On Current (TRIAC's)	Holding Current (All)		
h_F	f_T kHz	V_{TM} V	I_{GT} mA	V_{GT} V	I_{FT} mA	I_H mA		
250	L-114	SK2040
250	L-114	SK2041
250	L-114	SK2042
170	L-114	SK2043
.....	1.3 Max	0.1 Max	1	.....	0.5	L-114	SK2046
.....	3 Max	.....	.....	30	0.1	L-114	SK2048
.....	3 Max	.....	.....	30	0.1	L-114	SK2049
200	L-114	SK2083
100	L-114	SK2084
50	IC-190	SK2086
.....	IC-190	SK2087
.....	L-116	SK4916
.....	1.1 Typ	.....	.....	.....	.....	L-112	SK4929
.....	L-113	SK4930
.....	L-113	SK4931
.....	L-116	SK4932
.....	L-114	SK4933
.....	L-115	SK4934
.....	L-114	SK4935
.....	T-095	SK9705
.....	3 Max	.....	.....	10 Max	0.1 Typ	L-114	SK9708
.....	IC-187	SK9763
.....	IC-190	SK9770
20 Min	L-115	SK9965
600 Max	IC-270	SK10178
.....	L-114	SK10327
.....	L-112	SK10330
.....	L-112	SK10331
.....	L-112	SK10332
80	IC-190	SK10333
.....	IC-190	SK10334
.....	IC-190	SK10335
.....	1.8	.....	3	15 Max	0.1	L-114	SK10336
600	L-114	SK10337
.....	IC-190	SK10404