



Diode Arrays

TCE Type	Material	Maximum Ratings					Outline No.
		Repetitive Peak Reverse	Forward Current		Forward Voltage Drop, DC	Reverse Current	
		Voltage	Average	Peak Surge			
V_{RRM} V	I_O A	I_{FSM} A	V_F V	I_R μA			
SK3110	Se	35	0.065	...	10	300	R-021
SK7332	Si	6000	0.3	100	8V @ 100mA	5	R-069

Integrated Circuit Protectors

TCE Type	Operating Characteristics			Outline No.
	Rated Voltage V Max	Rated Current A Max	Internal Resistance Ω Typ	
SK10180	50	0.4	.220	R-117
SK10181	50	0.6	.135	R-117
SK10182	50	0.8	.100	R-117
SK10183	50	1.0	.070	R-117
SK10184	50	1.5	.042	R-117
SK10185	50	0.25	.350	R-118
SK10186	50	0.4	.220	R-118
SK10187	50	0.6	.135	R-118
SK10188	50	0.8	.100	R-118
SK10189	50	1.0	.070	R-118

* Operating temperature -55° to +125°.

Quartz Oscillator Crystal

TCE Type	Electrical Characteristics						Outline No.	
	Operating Frequency		Load Capacit.	Maximum Capacit., Pin-to-Pin	Maximum Effective Resistance	Temperat. Range, Operating		Frequency Drift % Over Temperat. Range
	Specified	Tolerance						
F_o MHz	%	C_L pF	C_M pF	R Ω	T_o $^{\circ}C$	%		
SK9328	3.579545	+/-0.3	18 +/-0.5*	7.0	100	20 to 65	+/-0.003	M-003
SK9329	3.579545	+/-0.3	**	7.0	100	25 to 65	+/-0.003	M-003
SK9330	3.579545	+/-0.3	34.7 +/-0.5*	7.0	100	25 to 65	+/-0.003	M-003

* Parallel resonance ** Series resonance


MISCELLANEOUS DIODES CONT.
Schottky Rectifiers

TCE Type	Material	Maximum Ratings						Outline No.
		Repetitive Peak Reverse Voltage V_{RRM} V	Forward Current		Forward Voltage Drop, DC V_F V	Power Devices		
			Average I_O A	Peak Surge I_{FSM} A		Reverse Current I_R μ A	Operating Temp. $^{\circ}$ C	
SK4911	Si	45	30 IPK	200 IPK	.....	1000	-65 to +150 C	T-086
SK9152	Si	48	25	400	0.60 VPK	60,000 PK	-65 to +125C	R-013
SK9153	Si	54	27	600	0.58 VPK	55,000 PK	-65 to +150C	R-013
SK9154	Si	48	50	800	0.60 VPK	75,000 PK	-65 to +125C	R-017
SK9709	Si	45	35	600	0.63	100	-65 to +150C	R-101
SK9774	Si	45	60	2	.70	300	-65 to +150 C	R-017
SK9934	Si	40	1	25	0.6	100	-65 to 125	R-108
SK9935	Si	40	3	80	0.55	200	-65 to 125	R-020
SK10162	Si	90	1	50	0.79	500	-65 to +150	R-120
SK10163	Si	90	3	150	0.79	600	-65 to +150	R-110

Silicon Pin Diodes

TCE Type	Material	Maximum Ratings		Operating Characteristics					Outline No.
		Total Power Dissipate. P_T mW	Reverse Voltage V_{RM} V	Reverse Current I_R μ A	Series Resistance R_s Ohms	Diode Capacit. C_T pF	Test Conditions		
							Reverse Voltage V_R | Test | V	Frequency f | Test | MHz	
SK9105A	Si	250	35	0.05	0.6 Typ	1 Max	15	1	R-057A
SK9975	Si	.....	35	.....	0.7	1.2	3	200	R-001

Solid State Rectifier Tubes

TCE Type	Material	Maximum Ratings				Outline No.
		Repetitive Peak Reverse Voltage V_{RRM} V	Forward Current		Forward Voltage Drop, DC V_F V	
			Average I_O A	Peak Surge I_{FSM} A		
SK3756	Si	45000	.005	0.11	50	R-050
SK3757	Si	45000	.005	0.11	50	R-051
SK3758	Si	45000	.005	0.11	50	R-050
SK3759	Si	9000	.005	0.1	20	R-052
SK3760	Si	6000	.25	1.3	10	R-053
SK3761	Si	45000	.005	0.11	50	R-050



Thermal Cutoff Devices

TCE Type	Maximum Operating Temp.	Maximum Operating Current	Outline No.
	°C	I_o Amps	
SK814	66	15	M-002
SK821	72	15	M-002
SK827	77	15	M-002
SK832	84	15	M-002
SK836	87	15	M-002
SK841	93	15	M-002
SK847	98	15	M-002
SK849	100	15	M-002
SK854	104	15	M-002
SK859	109	15	M-002
SK866	117	15	M-002
SK869	121	15	M-002
SK876	128	15	M-002
SK890	141	15	M-002
SK900	152	15	M-002
SK901	216	15	M-002
SK914	228	15	M-002
SK930	240	15	M-002
SK948	171	15	M-002
SK952	184	15	M-002

Note: There is no industry standard end-seal color code for thermal cutoff devices.

Thermal cutoffs are to temperature what a fuse is to current; that is, when the rating is exceeded the device fails and must be replaced. Thermal cutoffs are used as safety devices by original home-appliance and industrial-equipment manufacturers to prevent excessive heat from damaging the product. As a thermal cutoff is not a resettable device, it must be replaced when it fails (opens).

All SK-type thermal cutoffs are marked with the opening temperature. This temperature should be matched with the rating of the failed device to make the replacement.

TCE thermal cutoffs are supplied with solid copper crimp splices. Directions for installation are packed with each device.

Varactor Diodes

TCE Type	Material	Maximum Ratings			Operating Characteristics					Outline No.	Notes
		Total Power Dissipate P_T mW	Forward Current I_F mA	Reverse Voltage V_R V	Reverse Leakage Current I_R μA	Diode Capacit. C_T pF	Test Conditions		Tuning Ratio At Test Frequency TR		
							Reverse Voltage V_R / Test ; V	Frequency f / Test ; MHz			
SK3319	Si	...	.....	30	0.05	11.0	3.0	1.0	.....	R-027	Mtchd set of 4 units
SK3320	Si	.....	.....	30	0.1	12.0	3.0	1.0	.....	R-001	Mtchd set of 4 units
SK3323	Si	280	200	30	0.10	6.8	4.0	1.0	2.7	R-038	.....
SK3324	Si	280	200	30	0.10	10.0	4.0	1.0	2.9	R-038	.....
SK3325	Si	280	200	30	0.10	12.0	4.0	1.0	2.9	R-038	.....
SK3326	Si	280	200	30	0.10	22.0	4.0	1.0	2.9	R-038	.....
SK3327	Si	280	200	30	0.10	33	4.0	1.0	3.0	R-038	.....