

T-01-01



# SILICON DIODES

DI-05

## (a) General purpose

TYPE	Maximum Ratings			Electrical Characteristics at T <sub>J</sub> =25°C					Case	
	P <sub>D</sub> T <sub>a</sub> =25°C W	PIV V	I <sub>F</sub> mA	I <sub>R</sub> max nA	@	V <sub>R</sub> V	I <sub>F</sub> min mA	@		V <sub>F</sub> V
MD50/D50	0.15	50	100	50		20	30		1	SOT-25/TO-92
SH200	0.15	12	150	100		6	50		1.2	TO-106
SH200A	0.15	12	150	100		12	50		1.2	TO-106
SH202	0.15	20	150	100		10	50		1.2	TO-106
SH202A	0.15	20	150	100		20	50		1.2	TO-106
SH212	0.15	40	150	100		20	50		1.2	TO-106
SH212A	0.15	40	150	100		40	50		1.2	TO-106
SH222	0.15	60	150	100		30	50		1.2	TO-106
SH222A	0.15	60	150	100		60	50		1.2	TO-106
SH242	0.15	100	150	100		50	50		1.2	TO-106
SH242A	0.15	100	150	100		100	50		1.2	TO-106
SH252	0.15	150	150	100		75	50		1.2	TO-106
SH252A	0.15	150	150	100		150	50		1.2	TO-106

## (b) Stabilizer diodes

DI 02 1100

SD2A *	0.20	10	50	1000		10	5		0.7 to 0.8	TO-106
2SD2A **	0.20	10	50	1000		10	2		1.35 to 1.5	TO-106

Note: The above devices are also available in TO-92 package.

\* Typ Temp Coeff 2 mv/°C  
\*\* Typ Temp Coeff 4 mv/°C

## (c) High speed switches

DI 04

TYPE	Maximum Ratings			Electrical Characteristics at T <sub>J</sub> =25°C								Case
	P <sub>D</sub> T <sub>a</sub> =25°C mW	PIV V	I <sub>F</sub> mA	I <sub>R</sub> max nA	@	V <sub>R</sub> V	I <sub>F</sub> min mA	@	V <sub>F</sub> V	t <sub>rr</sub> min/max ns	C <sub>d</sub> max pF	
1N4148	500	100	200	25		20	10		1	2/4	4	DO-35
1N914	500	100	200	25		20	10		1	2/4	4	DO-35
1N914A	500	100	200	25		20	20		1	2/4	4	DO-35
1N914B	500	100	200	25		20	100		1	2/4	4	DO-35
SA41	400	40	200	100		30	10		1	2/4	4	DO-35
SA42	400	50	200	100		40	10		1	2/4	4	DO-35
SA43	400	75	200	5000		50	10		1	2/4	4	DO-35
SA44	400	100	200	5000		75	10		1	2/4	4	DO-35
SA45	400	25	200	100		20	20		1	2/4	4	DO-35
SA46	400	40	200	100		30	20		1	2/4	4	DO-35
SA47	400	50	200	100		40	20		1	2/4	4	DO-35
SA48	400	75	200	5000		50	20		1	2/4	4	DO-35
SA49	400	100	200	5000		75	20		1	2/4	4	DO-35
SA50	400	25	200	100		20	10		1	2/4	2	DO-35
SA51	400	40	200	100		30	10		1	2/4	2	DO-35
SA52	400	50	200	100		40	10		1	2/4	2	DO-35
SA53	400	75	200	5000		50	10		1	2/4	2	DO-35
SA54	400	100	200	5000		75	10		1	2/4	2	DO-35
SA55	400	25	200	100		20	20		1	2/4	2	DO-35
SA56	400	40	200	100		30	20		1	2/4	2	DO-35
SA57	400	50	200	100		40	20		1	2/4	2	DO-35
SA58	400	75	200	5000		50	20		1	2/4	2	DO-35
SA59	400	100	200	5000		75	20		1	2/4	2	DO-35
SA70	400	25	200	100		20	50		1	2/4	2	DO-35
SA71	400	40	200	100		30	50		1	2/4	2	DO-35
SA72	400	50	200	100		40	50		1	2/4	2	DO-35
SA73	400	75	200	5000		50	50		1	2/4	2	DO-35
SA74	400	100	200	5000		75	50		1	2/4	2	DO-35
SA75	400	25	200	100		20	100		1	2/4	2	DO-35
SA76	400	40	200	100		30	100		1	2/4	2	DO-35
SA77	400	50	200	100		40	100		1	2/4	2	DO-35
SA78	400	75	200	5000		50	100		1	2/4	2	DO-35
SA79	400	100	200	5000		75	100		1	2/4	2	DO-35