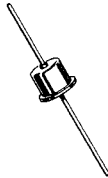


1N4933 thru 1N4937 (SILICON)
1N3879 thru 1N3883 — 1N3889 thru 1N3893
1N3899 thru 1N3903 — 1N3909 thru 1N3913
MR830 thru MR836 — MR1366, MR1376,
MR1386, MR1396

$V_R = 50-600\text{ V}$

$I_O = 1.0-30\text{ A}$

Fast recovery silicon rectifiers designed for special applications such as high frequency rectification, inverters, free-wheeling diodes, and other fast switching circuits. A complete line of rectifiers having typical recovery time of 0.1 microseconds providing high efficiency at frequencies of 250 kHz and higher.



**MR830-MR836
CASE 60**



**1N4933-1N4937
CASE 59**



**1N3899-1N3903
MR1386**

**1N3909-1N3913
MR1396**

**CASE 42
(DO-5)**



**1N3879-1N3883
MR1366**

**1N3889-1N3893
MR1376**

CASE 56A (DO-4)

MAXIMUM RATINGS

I_O^* Ampere	$I_{FM}(\text{surge})^{**}$ Ampere	$V_{RM}(\text{rep})$ $V_{RM}(\text{wkg})$ $V_R(\text{Volts})$					
		50	100	200	300	400	600
1.0	30	1N4933	1N4934	1N4935	—	1N4936	1N4937
3.0	100	MR830	MR831	MR832	—	MR834	MR836
6.0	150	1N3879	1N3880	1N3881	1N3882	1N3883	MR1366
12	200	1N3889	1N3890	1N3891	1N3892	1N3893	MR1376
20	225	1N3899	1N3900	1N3901	1N3902	1N3903	MR1386
30	300	1N3909	1N3910	1N3911	1N3912	1N3913	MR1396

* Figure 3 ** Figure 4

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max Limit	Unit
Maximum Junction Operating Temperature Range	T_J	-65 to +150	$^{\circ}\text{C}$
Maximum Case Storage Temperature Range	T_{stg}	-65 to +175	$^{\circ}\text{C}$