



semitronics hot line

TOLL FREE NUMBER 800-777-3960

discrete
devices

FAST RECOVERY RECTIFIERS

OPERATING AND STORAGE TEMPERATURE -65°C to +175°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60 Hz		Maximum Forward Peak Surge Current @ 8.3 ms Super Imposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25°C T _A		Maximum Reverse Recovery Time
	PRV	I _O @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	A _{AV}	°C	APK	uAdc	APK	V _{PK}	nS

1.0 AMPERES-FAST RECOVERY/DO-41/DO-15

1N4933	50	1.0	75	50	5.0	1.0	1.2	*200
1N4934	100	1.0	75	50	5.0	1.0	1.2	*200
1N4935	200	1.0	75	50	5.0	1.0	1.2	*200
1N4936	400	1.0	75	50	5.0	1.0	1.2	*200
1N4937	600	1.0	75	50	5.0	1.0	1.2	*200
1N4942	200	1.0	75	50	5.0	1.0	1.3	150
1N4944	400	1.0	75	50	5.0	1.0	1.3	150
1N4946	600	1.0	75	50	5.0	1.0	1.3	250
1N4947	800	1.0	75	50	5.0	1.0	1.3	250
1N4948	1000	1.0	75	50	5.0	1.0	1.3	500



NOTE: *T_{RR} TEST @ I_F = 1.0A, V_R = 30V

1.5 AMPERES/2.0 AMPERES-FAST RECOVERY/DO-15

FR1.550	50	1.5	75	60	5.0	1.5	1.3	150
FR1.5100	100	1.5	75	60	5.0	1.5	1.3	150
FR1.5200	200	1.5	75	60	5.0	1.5	1.3	150
FR1.5400	400	1.5	75	60	5.0	1.5	1.3	150
FR1.5600	600	1.5	75	60	5.0	1.5	1.3	250
FR1.5800	800	1.5	75	60	5.0	1.5	1.3	500
FR1.51000	1000	1.5	75	60	5.0	1.5	1.3	500
FR250	50	2.0	75	70	5.0	2.0	1.3	150
FR2100	100	2.0	75	70	5.0	2.0	1.3	150
FR2200	200	2.0	75	70	5.0	2.0	1.3	150
FR2400	400	2.0	75	70	5.0	2.0	1.3	150
FR2600	600	2.0	75	70	5.0	2.0	1.3	250
FR2800	800	2.0	75	70	5.0	2.0	1.3	500
FR21000	1000	2.0	75	70	5.0	2.0	1.3	500



3.0 AMPERES-FAST RECOVERY/DO-27

FR350	50	3.0	75	200	10.0	3.0	1.3	150
FR3100	100	3.0	75	200	10.0	3.0	1.3	150
FR3200	200	3.0	75	200	10.0	3.0	1.3	150
FR3400	400	3.0	75	200	10.0	3.0	1.3	150
FR3600	600	3.0	75	200	10.0	3.0	1.3	250
FR3800	800	3.0	75	200	10.0	3.0	1.3	500
FR31000	1000	3.0	75	200	10.0	3.0	1.3	500



6.0 AMPERES-FAST RECOVERY/R-6

FR650	50	6.0	75	300	10.0	6.0	1.3	150
FR6100	100	6.0	75	300	10.0	6.0	1.3	150
FR6200	200	6.0	75	300	10.0	6.0	1.3	150
FR6400	400	6.0	75	300	10.0	6.0	1.3	150
FR6600	600	6.0	75	300	10.0	6.0	1.3	250
FR6800	800	6.0	75	300	10.0	6.0	1.3	500
FR61000	1000	6.0	75	300	10.0	6.0	1.3	500

