

FAST RECOVERY RECTIFIERS

T-03-17

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +175°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25° C TA	Maximum Forward Voltage @ 25° C TA		Maximum Reverse Recovery Time
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	VPK	AAV	°C	APK	μA _{dc}	APK	VPK	nS

5.0/6.0 AMPERE FAST RECOVERY/R6



FR501	50	5.0	75	300	10	5.0	1.3	150
FR502	100	5.0	75	300	10	5.0	1.3	150
FR503	200	5.0	75	300	10	5.0	1.3	150
FR504	400	5.0	75	300	10	5.0	1.3	150
FR505	600	5.0	75	300	10	5.0	1.3	250
FR506	800	5.0	75	300	10	5.0	1.3	500
FR507	1000	5.0	75	300	10	5.0	1.3	500
FR601	50	6.0	75	300	10	6.0	1.3	150
FR602	100	6.0	75	300	10	6.0	1.3	150
FR603	200	6.0	75	300	10	6.0	1.3	150
FR604	400	6.0	75	300	10	6.0	1.3	150
FR605	600	6.0	75	300	10	6.0	1.3	250
FR606	800	6.0	75	300	10	6.0	1.3	500
FR607	1000	6.0	75	300	10	6.0	1.3	500

8.0 AMPERE FAST RECOVERY/TO-220A



FR801	50	8.0	*100	150	15	8.0	1.3	150
FR802	100	8.0	*100	150	15	8.0	1.3	150
FR803	200	8.0	*100	150	15	8.0	1.3	150
FR804	400	8.0	*100	150	15	8.0	1.3	200
FR805	600	8.0	*100	150	15	8.0	1.3	250

NOTE: 1. "*" Case Temperature
2. Reverse Polarity = Suffix "R".

30 AMPERE FAST RECOVERY/TO-3P



FR3001	50	30	*100	200	10	15	1.3	150
FR3002	100	30	*100	200	10	15	1.3	150
FR3003	200	30	*100	200	10	15	1.3	150
FR3004	400	30	*100	200	10	15	1.3	150
FR3005	600	30	*100	200	10	15	1.3	250

NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".
2. "*" Case Temperature.

30 AMPERE FAST RECOVERY/TO-3



NSR8140	100	30	*100	300	10	15	1.4	200
NSR8141	200	30	*100	300	10	15	1.4	200
NSR8142	400	30	*100	300	10	15	1.4	200
NSR8143	600	30	*100	300	10	15	1.4	200

NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".
2. "*" Case Temperature.