

FAST RECOVERY RECTIFIERS

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

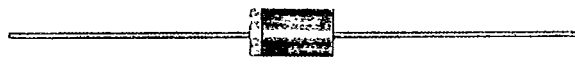
TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25°C T _A		Maximum Reverse Recovery Time
	PRV	I _o @ T _A		I _{FM} (Surge)	I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

2.5 AMPERES FAST RECOVERY/R-3



FR251	50	2.5	50	150	5.0	2.5	1.3	150
FR252	100	2.5	50	150	5.0	2.5	1.3	150
FR253	200	2.5	50	150	5.0	2.5	1.3	150
FR254	400	2.5	50	150	5.0	2.5	1.3	150
FR255	600	2.5	50	150	5.0	2.5	1.3	250
FR256	800	2.5	50	150	5.0	2.5	1.3	500
FR257	1000	2.5	50	150	5.0	2.5	1.3	500

3.0 AMPERES FAST RECOVERY/DO-201AD



FR301	50	3.0	75	200	10	3.0	1.3	150
FR302	100	3.0	75	200	10	3.0	1.3	150
FR303	200	3.0	75	200	10	3.0	1.3	150
FR304	400	3.0	75	200	10	3.0	1.3	150
FR305	600	3.0	75	200	10	3.0	1.3	250
FR306	800	3.0	75	200	10	3.0	1.3	500
FR307	1000	3.0	75	200	10	3.0	1.3	500
DIF910	50	3.0	90	100	10	3.0	1.25	*750
DIF911	100	3.0	90	100	10	3.0	1.25	*750
DIF912	200	3.0	90	100	10	3.0	1.25	*750
DIF914	400	3.0	90	100	10	3.0	1.25	*750
DIF916	600	3.0	90	100	10	3.0	1.25	*750
DIF917	800	3.0	90	100	10	3.0	1.25	*750
DIF918	1000	3.0	90	100	10	3.0	1.25	*750

NOTE: "*" T_{rr} Test Condition = I_F = 1.0A, V_R = 30V

5.0/6.0 AMPERES FAST RECOVERY/R-6



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 AMPERES 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
FR806	800	8.0	* 100	150	15	8.0	1.3	500
FR807	1000	8.0	* 100	150	15	8.0	1.3	500

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