



# FAST RECOVERY RECTIFIERS

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 T <sub>A</sub>	Maximum Forward Voltage @ 25°C T <sub>A</sub>		Maximum Reverse Recovery Time
	PRV	I <sub>o</sub> @ T <sub>A</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	T <sub>rr</sub>
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	µA <sub>dc</sub>	A <sub>PK</sub>	V <sub>PK</sub>	nS

## 1.0 AMPERE FAST RECOVERY/DO-41

FR101	50	1.0	75	30	5.0	1.0	1.3	150
FR102	100	1.0	75	30	5.0	1.0	1.3	150
FR103	200	1.0	75	30	5.0	1.0	1.3	150
FR104	400	1.0	75	30	5.0	1.0	1.3	150
FR105	600	1.0	75	30	5.0	1.0	1.3	250
FR106	800	1.0	75	30	5.0	1.0	1.3	500
FR107	1000	1.0	75	30	5.0	1.0	1.3	500
1N4933	50	1.0	75	30	5.0	1.0	1.2	*200
1N4934	100	1.0	75	30	5.0	1.0	1.2	*200
1N4935	200	1.0	75	30	5.0	1.0	1.2	*200
1N4936	400	1.0	75	30	5.0	1.0	1.2	*200
1N4937	600	1.0	75	30	5.0	1.0	1.2	*200
1N4942	200	1.0	75	30	5.0	1.0	1.3	150
1N4944	400	1.0	75	30	5.0	1.0	1.3	150
1N4946	600	1.0	75	30	5.0	1.0	1.3	250
1N4947	800	1.0	75	30	5.0	1.0	1.3	500
1N4948	1000	1.0	75	30	5.0	1.0	1.3	500

NOTE: "\*" Trr Test Condition: I<sub>F</sub> = 1A, V<sub>R</sub> = 30V, di/dt = -50A/µsec

## 1.5/2.0 AMPERE FAST RECOVERY/DO-15

FR151	50	1.5	75	60	5.0	1.5	1.3	150
FR152	100	1.5	75	60	5.0	1.5	1.3	150
FR153	200	1.5	75	60	5.0	1.5	1.3	150
FR154	400	1.5	75	60	5.0	1.5	1.3	150
FR155	600	1.5	75	60	5.0	1.5	1.3	250
FR156	800	1.5	75	60	5.0	1.5	1.3	500
FR157	1000	1.5	75	60	5.0	1.5	1.3	500

NOTE: Devices with 2 amp ratings available on request.

## 3.0 AMPERE FAST RECOVERY/DO-201AD

FR301	50	3.0	75	150	10	3.0	1.3	150
FR302	100	3.0	75	150	10	3.0	1.3	150
FR303	200	3.0	75	150	10	3.0	1.3	150
FR304	400	3.0	75	150	10	3.0	1.3	150
FR305	600	3.0	75	150	10	3.0	1.3	250
FR306	800	3.0	75	150	10	3.0	1.3	500
FR307	1000	3.0	75	150	10	3.0	1.3	500

## 6.0 AMPERE FAST RECOVERY/R6

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

NOTE: Devices with higher voltage ratings available upon request.

## 8.0 AMPERE FAST RECOVERY/TO-220A

FR801	50	8.0	*100	150	10	8.0	1.3	150
FR802	100	8.0	*100	150	10	8.0	1.3	150
FR803	200	8.0	*100	150	10	8.0	1.3	150
FR804	400	8.0	*100	150	10	8.0	1.3	150
FR805	600	8.0	*100	150	10	8.0	1.3	250

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