

FAST RECOVERY RECTIFIERS

T-03-13

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 _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

1.0 AMPERE FAST RECOVERY/A-405

RL101F	50	1.0	75	30	5.0	1.0	1.3	150
RL102F	100	1.0	75	30	5.0	1.0	1.3	150
RL103F	200	1.0	75	30	5.0	1.0	1.3	150
RL104F	400	1.0	75	30	5.0	1.0	1.3	150
RL105F	600	1.0	75	30	5.0	1.0	1.3	250
RL106F	800	1.0	75	30	5.0	1.0	1.3	500
RL107F	1000	1.0	75	30	5.0	1.0	1.3	500

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	250
1N4948	1000	1.0	75	30	5.0	1.0	1.3	500

NOTE: "*" T_{rr} Test Condition: I_F = 1A, V_R = 30V.

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
FR201	50	2.0	75	70	5.0	2.0	1.3	150
FR202	100	2.0	75	70	5.0	2.0	1.3	150
FR203	200	2.0	75	70	5.0	2.0	1.3	150
FR204	400	2.0	75	70	5.0	2.0	1.3	150
FR205	600	2.0	75	70	5.0	2.0	1.3	250
FR206	800	2.0	75	70	5.0	2.0	1.3	500
FR207	1000	2.0	75	70	5.0	2.0	1.3	500

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