

FAST RECOVERY GLASS PASSIVATED RECTIFIERS



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

SURGE PART NUMBER	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

GLASS PASSIVATED

1.0 AMPERE-FAST RECOVERY/A-405 (CASE 4)

FR101SG	50	1.0	55	30	5.0	1.0	1.3	150
FR102SG	100	1.0	55	30	5.0	1.0	1.3	150
FR103SG	200	1.0	55	30	5.0	1.0	1.3	150
FR104SG	400	1.0	55	30	5.0	1.0	1.3	150
FR105SG	600	1.0	55	30	5.0	1.0	1.3	250
FR106SG	800	1.0	55	30	5.0	1.0	1.3	500
FR107SG	1000	1.0	55	30	5.0	1.0	1.3	500

GLASS PASSIVATED

1.0 AMPERE-FAST RECOVERY/DO-41 (CASE 5)

FR101G	50	1.0	55	30	5.0	1.0	1.3	150
FR102G	100	1.0	55	30	5.0	1.0	1.3	150
FR103G	200	1.0	55	30	5.0	1.0	1.3	150
FR104G	400	1.0	55	30	5.0	1.0	1.3	150
FR105G	600	1.0	55	30	5.0	1.0	1.3	250
FR106G	800	1.0	55	30	5.0	1.0	1.3	500
FR107G	1000	1.0	55	30	5.0	1.0	1.3	500
1N4933G	50	1.0	55	30	5.0	1.0	1.2	*200
1N4934G	100	1.0	55	30	5.0	1.0	1.2	*200
1N4935G	200	1.0	55	30	5.0	1.0	1.2	*200
1N4936G	400	1.0	55	30	5.0	1.0	1.2	*200
1N4937G	600	1.0	55	30	5.0	1.0	1.2	*200
1N4942G	200	1.0	55	30	5.0	1.0	1.3	150
1N4944G	400	1.0	55	30	5.0	1.0	1.3	150
1N4946G	600	1.0	55	30	5.0	1.0	1.3	250
1N4947G	800	1.0	55	30	5.0	1.0	1.3	250
1N4948G	1000	1.0	55	30	5.0	1.0	1.3	500

NOTE: 1. T_{rr} @ 1A/30V

GLASS PASSIVATED

1.5 AMPERES-FAST RECOVERY/DO-15 (CASE 6)

FR151G	50	1.5	55	60	5.0	1.5	1.3	150
FR152G	100	1.5	55	60	5.0	1.5	1.3	150
FR153G	200	1.5	55	60	5.0	1.5	1.3	150
FR154G	400	1.5	55	60	5.0	1.5	1.3	150
FR155G	600	1.5	55	60	5.0	1.5	1.3	250
FR156G	800	1.5	55	60	5.0	1.5	1.3	500
FR157G	1000	1.5	55	60	5.0	1.5	1.3	500

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3.0 AMPERES-FAST RECOVERY/DO-201AD (CASE 8)

FR301G	50	3.0	55	125	5.0	3.0	1.3	150
FR302G	100	3.0	55	125	5.0	3.0	1.3	150
FR303G	200	3.0	55	125	5.0	3.0	1.3	150
FR304G	400	3.0	55	125	5.0	3.0	1.3	150
FR305G	600	3.0	55	125	5.0	3.0	1.3	250
FR306G	800	3.0	55	125	5.0	3.0	1.3	500

NOTE: 1. 6 Amp R-6 Package Available.

2. 8 Amp, TO-220A Package Available.

3. 16 Amp, TO-220A Package Available.

4. 16 Amp, TO-220 Package Available.