

# Glass Passivated Rectifiers

Type 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 <sub>A</sub>	Maximum Forward Voltage @ 25° T <sub>A</sub>	
	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>
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	µAdc	A <sub>PK</sub>	V <sub>PK</sub>

## 3.0 Ampere Glass Passivated/DO-201AD

LITEON

1N5400G	50	3.0	75	125	5.0	3.0	1.1
1N5401G	100	3.0	75	125	5.0	3.0	1.1
1N5402G	200	3.0	75	125	5.0	3.0	1.1
1N5404G	400	3.0	75	125	5.0	3.0	1.1
1N5406G	600	3.0	75	125	5.0	3.0	1.1
1N5407G	800	3.0	75	125	5.0	3.0	1.1
1N5408G	1000	3.0	75	125	5.0	3.0	1.1

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

# Fast Recovery Rectifiers

Type 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 <sub>A</sub>	Maximum Forward Voltage @ 25° 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>	µAdc	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	250
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

\* Test Condition: I<sub>F</sub> = 1.0A, V<sub>R</sub> = 30V, -di/dt = 50A/µsec

## 1.5 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	250
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

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