



# HIGH EFFICIENCY RECTIFIERS

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +150°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

## 1.5 AMPERE HIGH EFFICIENCY/DO-15

HER151	50	1.5	50	50	5.0	1.5	1.1	50
HER152	100	1.5	50	50	5.0	1.5	1.1	50
HER153	200	1.5	50	50	5.0	1.5	1.1	50
HER154	300	1.5	50	50	5.0	1.5	1.1	50
HER155	400	1.5	50	50	5.0	1.5	1.1	50

## 3.0 AMPERE HIGH EFFICIENCY/DO-201AD

HER301	50	3.0	50	125	10	3.0	1.1	50
HER302	100	3.0	50	125	10	3.0	1.1	50
HER303	200	3.0	50	125	10	3.0	1.1	50
HER304	300	3.0	50	125	10	3.0	1.1	50
HER305	400	3.0	50	125	10	3.0	1.1	50
HER306	600	3.0	50	125	10	3.0	1.75	100

## 6.0 AMPERE HIGH EFFICIENCY/R-6

HER601	50	6.0	50	250	10	6.0	1.2	60
HER602	100	6.0	50	250	10	6.0	1.2	60
HER603	200	6.0	50	250	10	6.0	1.2	60
HER604	300	6.0	50	250	10	6.0	1.2	60

# FAST RECOVERY GLASS PASSIVATED 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 GLASS PASSIVATED/DO-41

PR1001G	50	1.0	55	30	5.0	1.0	1.3	150
PR1002G	100	1.0	55	30	5.0	1.0	1.3	150
PR1003G	200	1.0	55	30	5.0	1.0	1.3	150
PR1004G	400	1.0	55	30	5.0	1.0	1.3	150
PR1005G	600	1.0	55	30	5.0	1.0	1.3	250
PR1006G	800	1.0	75	30	5.0	1.0	1.3	500
PR1007G	1000	1.0	75	30	5.0	1.0	1.3	500
1N4933G	50	1.0	75	30	5.0	1.0	1.2	*200
1N4934G	100	1.0	75	30	5.0	1.0	1.2	*200
1N4935G	200	1.0	75	30	5.0	1.0	1.2	*200
1N4936G	400	1.0	75	30	5.0	1.0	1.2	*200
1N4937G	600	1.0	75	30	5.0	1.0	1.2	*200

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