

HIGH EFFICIENT RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM}	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

1.0 AMPERE HIGH EFFICIENT RECTIFIERS

HER101S	50	1.0	55	30	5.0	1.0	1.0	50	A-405
HER102S	100		55	30	5.0	1.0	1.0	50	
HER103S	200		55	30	5.0	1.0	1.0	50	
HER104S	300		55	30	5.0	1.0	1.0	50	
HER105S	400		55	30	5.0	1.0	1.3	50	
HER106S	600		55	30	5.0	1.0	1.7	75	
HER107S	800		55	30	5.0	1.0	1.7	75	
HER108S	1000		55	30	5.0	1.0	1.7	75	

1.0 AMPERE HIGH EFFICIENT RECTIFIERS

HER101	50	1.0	55	30	5.0	1.0	1.0	50	DO-41
HER102	100		55	30	5.0	1.0	1.0	50	
HER103	200		55	30	5.0	1.0	1.0	50	
HER104	300		55	30	5.0	1.0	1.0	50	
HER105	400		55	30	5.0	1.0	1.3	50	
HER106	600		55	30	5.0	1.0	1.7	75	
HER107	800		55	30	5.0	1.0	1.7	75	
HER108	1000		55	30	5.0	1.0	1.7	75	
HER101G	50		55	30	5.0	1.0	1.0	50	
HER102G	100		55	30	5.0	1.0	1.0	50	
HER103G	200		55	30	5.0	1.0	1.0	50	
HER104G	300		55	30	5.0	1.0	1.0	50	
HER105G	400		55	30	5.0	1.0	1.3	50	
HER106G	600		55	30	5.0	1.0	1.7	75	
HER107G	800		55	30	5.0	1.0	1.7	75	
HER108G	1000		55	30	5.0	1.0	1.7	75	

"G" suffix signifies a glass passivated die

1.0 AMPERE HIGH EFFICIENT RECTIFIERS

1H1	50	1.0	55	30	5.0	1.0	1.0	50	R-1
1H2	100		55	30	5.0	1.0	1.0	50	
1H3	200		55	30	5.0	1.0	1.0	50	
1H4	400		55	30	5.0	1.0	1.0	50	
1H5	600		55	30	5.0	1.0	1.3	50	
1H6	800		55	30	5.0	1.0	1.7	75	
1H7	1000		55	30	5.0	1.0	1.7	75	
1H1G	50		55	30	5.0	1.0	1.0	50	
1H2G	100		55	30	5.0	1.0	1.0	50	
1H3G	200		55	30	5.0	1.0	1.0	50	
1H4G	400		55	30	5.0	1.0	1.0	50	
1H5G	600		55	30	5.0	1.0	1.3	50	
1H6G	800		55	30	5.0	1.0	1.7	75	
1H7G	1000		55	30	5.0	1.0	1.7	75	

"G" suffix signifies a glass passivated die

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	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	

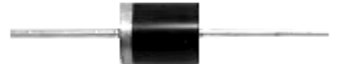
1.5 ~ 2.0 AMPERE HIGH EFFICIENT RECTIFIERS

HER151	50	1.5	55	50	5.0	1.5	1.0	50	DO-15
HER152	100		55	50	5.0	1.5	1.0	50	
HER153	200		55	50	5.0	1.5	1.0	50	
HER154	300		55	50	5.0	1.5	1.0	50	
HER155	400		55	50	5.0	1.5	1.3	50	
HER156	600		55	50	5.0	1.5	1.7	75	
HER157	800		55	50	5.0	1.5	1.7	75	
HER158	1000		55	50	5.0	1.5	1.7	75	
HER201	50	2.0	55	60	5.0	2.0	1.0	50	
HER202	100		55	60	5.0	2.0	1.0	50	
HER203	200		55	60	5.0	2.0	1.0	50	
HER204	300		55	60	5.0	2.0	1.0	50	
HER205	400		55	60	5.0	2.0	1.3	50	
HER206	600		55	60	5.0	2.0	1.7	75	
HER207	800		55	60	5.0	2.0	1.7	75	
HER208	1000		55	60	5.0	2.0	1.7	75	
HER201G	50	2.0	55	60	5.0	2.0	1.0	50	
HER202G	100		55	60	5.0	2.0	1.0	50	
HER203G	200		55	60	5.0	2.0	1.0	50	
HER204G	300		55	60	5.0	2.0	1.0	50	
HER205G	400		55	60	5.0	2.0	1.3	50	
HER206G	600		55	60	5.0	2.0	1.7	75	
HER207G	800		55	60	5.0	2.0	1.7	75	
HER208G	1000		55	60	5.0	2.0	1.7	75	

3.0 ~ 5.0 AMPERE HIGH EFFICIENT RECTIFIERS

HER301	50	3.0	55	150	10	3.0	1.0	50	DO-201AD
HER302	100		55	150	10	3.0	1.0	50	
HER303	200		55	150	10	3.0	1.0	50	
HER304	300		55	150	10	3.0	1.0	50	
HER305	400		55	150	10	3.0	1.3	50	
HER306	600		55	150	10	3.0	1.7	75	
HER307	800		55	150	10	3.0	1.7	75	
HER308	1000		55	150	10	3.0	1.7	75	
HER301G	50	3.0	55	125	10	3.0	1.0	50	
HER302G	100		55	125	10	3.0	1.0	50	
HER303G	200		55	125	10	3.0	1.0	50	
HER304G	300		55	125	10	3.0	1.0	50	
HER305G	400		55	125	10	3.0	1.3	50	
HER306G	600		55	125	10	3.0	1.7	75	
HER307G	800		55	125	10	3.0	1.7	75	
HER308G	1000		55	125	10	3.0	1.7	75	
HER501	50	5.0	55	200	10	5.0	1.0	50	
HER502	100		55	200	10	5.0	1.0	50	
HER503	200		55	200	10	5.0	1.0	50	
HER504	300		55	200	10	5.0	1.0	50	
HER505	400		55	200	10	5.0	1.3	50	
HER506	600		55	200	10	5.0	1.7	75	
HER507	800		55	200	10	5.0	1.7	75	
HER508	1000		55	200	10	5.0	1.7	75	

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	V_{RWM}	$I_O @ T_L$		I_{FSM}	I_R	I_{FM}	V_{FM}	t_{rr}	
	V	A	°C	A	μA	A	V	ns	



6.0 AMPERE HIGH EFFICIENT RECTIFIERS

HER601	50	6.0	55	200	10	6.0	1.1	50	R-6
HER602	100		55	200	10	6.0	1.1	50	
HER603	200		55	200	10	6.0	1.1	50	
HER604	300		55	200	10	6.0	1.1	50	
HER605	400		55	200	10	6.0	1.3	50	
HER606	600		55	200	10	6.0	1.7	75	
HER607	800		55	200	10	6.0	1.7	75	
HER608	1000		55	200	10	6.0	1.7	75	