HIGH EFFICIENCY RECTIFIERS

PLASTIC MATERIAL USED CARRIES UL 94V-0
OPERATING AND STORAGE TEMPERATURE -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 @ P_{RV} @ 25°C T_A	Maximum Forward Voltage @ 25°C T_A		Maximum Reverse Recovery Time
	P_{RV}	I_O @ T_A		I_{FM} (Surge)	I_R	I_{FM}	V_{FM}	T_{RR}
	V_{PK}	A_{AV}	°C	A_{PK}	uAdc	A_{PK}	V_{PK}	nS

1.0 AMPERE-HIGH EFFICIENCY/R-1 (CASE 5)

1H1	50	1.0	25	25	5.0	1.0	1.0	50
1H2	100	1.0	25	25	5.0	1.0	1.0	50
1H3	200	1.0	25	25	5.0	1.0	1.0	50
1H4	300	1.0	25	25	5.0	1.0	1.3	50
1H5	400	1.0	25	25	5.0	1.0	1.3	50
1H5P	400	1.0	25	25	5.0	1.0	1.0	50
1H6	600	1.0	25	25	5.0	1.0	1.7	75
1H7	800	1.0	25	25	5.0	1.0	1.7	75
1H8	1000	1.0	25	25	5.0	1.0	1.7	75

1.0 AMPERE-HIGH EFFICIENCY/DO-41 (CASE 7)

HER101	50	1.0	50	30	5.0	1.0	1.0	50
HER102	100	1.0	50	30	5.0	1.0	1.0	50
HER103	200	1.0	50	30	5.0	1.0	1.0	50
HER104	300	1.0	50	30	5.0	1.0	1.3	50
HER105	400	1.0	50	30	5.0	1.0	1.3	50
HER105P	400	1.0	50	30	5.0	1.0	1.0	50
HER106	600	1.0	50	30	5.0	1.0	1.7	75
HER107	800	1.0	50	30	5.0	1.0	1.7	75
HER108	1000	1.0	50	30	5.0	1.0	1.7	75

2.0 AMPERE-HIGH EFFICIENCY/DO-15 (CASE 8)

HER201	50	2.0	50	60	5.0	2.0	1.0	50
HER202	100	2.0	50	60	5.0	2.0	1.0	50
HER203	200	2.0	50	60	5.0	2.0	1.0	50
HER204	300	2.0	50	60	5.0	2.0	1.3	50
HER205	400	2.0	50	60	5.0	2.0	1.3	50
HER205P	400	2.0	50	60	5.0	2.0	1.0	50
HER206	600	2.0	50	60	5.0	2.0	1.7	75
HER207	800	2.0	50	60	5.0	2.0	1.7	75
HER208	1000	2.0	50	60	5.0	2.0	1.7	75

3.0 AMPERE-HIGH EFFICIENCY/DO-201AD (CASE 11)

HER301	50	3.0	50	200	10	3.0	1.0	50
HER302	100	3.0	50	200	10	3.0	1.0	50
HER303	200	3.0	50	200	10	3.0	1.0	50
HER304	300	3.0	50	200	10	3.0	1.3	50
HER305	400	3.0	50	200	10	3.0	1.3	50
HER305P	400	3.0	50	200	10	3.0	1.0	50
HER306	600	3.0	50	150	10	3.0	1.7	75
HER307	800	3.0	50	150	10	3.0	1.7	75
HER308	1000	3.0	50	150	10	3.0	1.7	75

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	P_{RV}	I_O @ T_A		I_{FM} (Surge)	I_R	I_{FM}	V_{FM}	T_{RR}
	V_{PK}	A_{AV}	°C	A_{PK}	uAdc	A_{PK}	V_{PK}	nS

5.0 AMPERE-HIGH EFFICIENCY/DO-201AD (CASE 11)

HER501	50	5.0	50	200	10	5.0	1.0	50
HER502	100	5.0	50	200	10	5.0	1.0	50
HER503	200	5.0	50	200	10	5.0	1.0	50
HER504	300	5.0	50	200	10	5.0	1.3	50
HER505	400	5.0	50	200	10	5.0	1.3	50
HER505P	400	5.0	50	200	10	5.0	1.0	50
HER506	600	5.0	50	150	10	5.0	1.7	75
HER507	800	5.0	50	150	10	5.0	1.7	75
HER508	1000	5.0	50	150	10	5.0	1.7	75

8.0 AMPERE-HIGH EFFICIENCY/TO-220A (CASE 13)

HER801	50	8.0	*75	200	10	8.0	1.0	50
HER802	100	8.0	*75	200	10	8.0	1.0	50
HER803	200	8.0	*75	200	10	8.0	1.0	50
HER804	300	8.0	*75	200	10	8.0	1.3	50
HER805	400	8.0	*75	200	10	8.0	1.3	50
HER805P	400	8.0	*75	200	10	8.0	1.0	50

NOTE : 1.Suffix " R " for Reverse Polarity.
2. " * " Case Temperature Measured At Metal Tap.

16.0 AMPERE-HIGH EFFICIENCY/TO-220 (CASE 14)

HER1601C	50	16	*75	200	10	8.0	1.0	50
HER1602C	100	16	*75	200	10	8.0	1.0	50
HER1603C	200	16	*75	200	10	8.0	1.0	50
HER1604C	300	16	*75	200	10	8.0	1.3	50
HER1605C	400	16	*75	200	10	8.0	1.3	50
HER1605PC	400	16	*75	200	10	8.0	1.0	50

NOTE : 1.Suffix " A " Common Anode.
2. " * " Case Temperature Measured At Metal Tap.

30 AMPERE-HIGH EFFICIENCY/TO-247 (CASE 15)

HER3001C	50	3.0	*75	300	10	15.0	1.0	50
HER3002C	100	3.0	*75	300	10	15.0	1.0	50
HER3003C	200	3.0	*75	300	10	15.0	1.0	50

NOTE : 1.Suffix " A " Common Anode.
2. " * " Case Temperature Measured At Metal Tap.