

SURFACE MOUNT DEVICES FOR HYBRID APPLICATIONS

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

0.5 AMPERE/MD-S (CASE 41)



MD1-S	50	0.5	40	30	10	0.5	1.05	-
MD2-S	100	0.5	40	30	10	0.5	1.05	-
MD3-S	200	0.5	40	30	10	0.5	1.05	-
MD4-S	400	0.5	40	30	10	0.5	1.05	-
MD5-S	600	0.5	40	30	10	0.5	1.05	-
MD6-S	800	0.5	40	30	10	0.5	1.05	-
MD7-S	1000	0.5	40	30	10	0.5	1.05	-

1.0 AMPERE/DB-S (CASE 16)



DB101-S	50	1.0	40	50	10	1.0	1.1	-
DB102-S	100	1.0	40	50	10	1.0	1.1	-
DB103-S	200	1.0	40	50	10	1.0	1.1	-
DB104-S	400	1.0	40	50	10	1.0	1.1	-
DB105-S	600	1.0	40	50	10	1.0	1.1	-
DB106-S	800	1.0	40	50	10	1.0	1.1	-
DB107-S	1000	1.0	40	50	10	1.0	1.1	-

1.0 AMPERE-SUPER FAST/DB-S (CASE 16)



EDB101-S	50	1.0	55	30	5.0	1.0	1.0	50
EDB102-S	100	1.0	55	30	5.0	1.0	1.0	50
EDB103-S	150	1.0	55	30	5.0	1.0	1.0	50
EDB104-S	200	1.0	55	30	5.0	1.0	1.0	50
EDB105-S	300	1.0	55	30	5.0	1.0	1.25	50
EDB106-S	400	1.0	55	30	5.0	1.0	1.25	50

2.0 AMPERE-GLASS PASSIVATED/DO-214AA (CASE 3)



FM201	50	2.0	75	50	5.0	2.0	1.1	-
FM202	100	2.0	75	50	5.0	2.0	1.1	-
FM203	200	2.0	75	50	5.0	2.0	1.1	-
FM204	400	2.0	75	50	5.0	2.0	1.1	-
FM205	600	2.0	75	50	5.0	2.0	1.1	-
FM206	800	2.0	75	50	5.0	2.0	1.1	-
FM207	1000	2.0	75	50	5.0	2.0	1.1	-

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

3.0 AMPERE-GLASS PASSIVATED/DO-214AB (CASE 4)



FM301	50	3.0	75	150	5.0	3.0	1.1	-
FM302	100	3.0	75	150	5.0	3.0	1.1	-
FM303	200	3.0	75	150	5.0	3.0	1.1	-
FM304	400	3.0	75	150	5.0	3.0	1.1	-
FM305	600	3.0	75	150	5.0	3.0	1.1	-
FM306	800	3.0	75	150	5.0	3.0	1.1	-
FM307	1000	3.0	75	150	5.0	3.0	1.1	-

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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}	μA_{dc}	A_{PK}	V_{PK}	nS

2.0 AMPERE-FAST RECOVERY/DO-214AA (CASE 3)



FFM201	50	2.0	55	70	5.0	2.0	1.3	150
FFM202	100	2.0	55	70	5.0	2.0	1.3	150
FFM203	200	2.0	55	70	5.0	2.0	1.3	150
FFM204	400	2.0	55	70	5.0	2.0	1.3	150
FFM205	600	2.0	55	70	5.0	2.0	1.3	250
FFM206	800	2.0	55	70	5.0	2.0	1.3	500
FFM207	1000	2.0	55	70	5.0	2.0	1.3	500

2.0 AMPERE SUPER FAST/DO-214AA (CASE 3)



EFM201	50	2.0	55	75	5.0	2.0	0.95	35
EFM202	100	2.0	55	75	5.0	2.0	0.95	35
EFM203	150	2.0	55	75	5.0	2.0	0.95	35
EFM204	200	2.0	55	75	5.0	2.0	0.95	35
EFM205	300	2.0	55	75	5.0	2.0	1.25	35
EFM206	400	2.0	55	75	5.0	2.0	1.25	35

2.0 AMPERE-HIGH EFFICIENCY/DO-214AA (CASE 3)



HFM201	50	2.0	55	60	5.0	2.0	1.0	50
HFM202	100	2.0	55	60	5.0	2.0	1.0	50
HFM203	200	2.0	55	60	5.0	2.0	1.0	50
HFM204	300	2.0	55	60	5.0	2.0	1.3	50
HFM205	400	2.0	55	60	5.0	2.0	1.3	50
HFM206	600	2.0	55	60	5.0	2.0	1.7	75
HFM207	800	2.0	55	60	5.0	2.0	1.7	75
HFM208	1000	2.0	55	60	5.0	2.0	1.7	75

3.0 AMPERE- FAST RECOVERY/DO-214AB (CASE 4)



FFM301	50	3.0	55	200	10	3.0	1.3	150
FFM302	100	3.0	55	200	10	3.0	1.3	150
FFM303	200	3.0	55	200	10	3.0	1.3	150
FFM304	400	3.0	55	200	10	3.0	1.3	150
FFM305	600	3.0	55	200	10	3.0	1.3	250
FFM306	800	3.0	55	200	10	3.0	1.3	500
FFM307	1000	3.0	55	200	10	3.0	1.3	500

3.0 AMPERE SUPER FAST/DO-214AB (CASE 4)



EFM301	50	3.0	55	125	5.0	3.0	0.95	35
EFM302	100	3.0	55	125	5.0	3.0	0.95	35
EFM303	150	3.0	55	125	5.0	3.0	0.95	35
EFM304	200	3.0	55	125	5.0	3.0	0.95	35
EFM305	300	3.0	55	125	5.0	3.0	1.25	35
EFM306	400	3.0	55	125	5.0	3.0	1.25	35

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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}	μA_{dc}	A_{PK}	V_{PK}	nS



3.0 AMPERE-HIGH EFFICIENCY/DO-214AB (CASE 4)

HFM301	50	3.0	50	200	10	3.0	1.0	50
HFM302	100	3.0	50	200	10	3.0	1.0	50
HFM303	200	3.0	50	200	10	3.0	1.0	50
HFM304	300	3.0	50	200	10	3.0	1.3	50
HFM305	400	3.0	50	200	10	3.0	1.3	50
HFM306	600	3.0	50	150	10	3.0	1.7	75
HFM307	800	3.0	50	150	10	3.0	1.7	75
HFM308	1000	3.0	50	150	10	3.0	1.7	75