

SURFACE MOUNT DEVICES FOR HYBRID APPLICATIONS

PLASTIC MATERIAL USED CARRIES UL 94V-0
OPERATING AND 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 @ 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}	μA_{dc}	A_{PK}	V_{PK}	nS

1.0 AMPERE-GLASS PASSIVATED/DO-214AC (CASE 2)



FM4001	50	1.0	75	30	5.0	1.0	1.1	-
FM4002	100	1.0	75	30	5.0	1.0	1.1	-
FM4003	200	1.0	75	30	5.0	1.0	1.1	-
FM4004	400	1.0	75	30	5.0	1.0	1.1	-
FM4005	600	1.0	75	30	5.0	1.0	1.1	-
FM4006	800	1.0	75	30	5.0	1.0	1.1	-
FM4007	1000	1.0	75	30	5.0	1.0	1.1	-

1.0 AMPERE-FAST RECOVERY/DO-214AC (CASE 2)



FM4933	50	1.0	55	30	5.0	1.0	1.2	*200
FM4934	100	1.0	55	30	5.0	1.0	1.2	*200
FM4935	200	1.0	55	30	5.0	1.0	1.2	*200
FM4936	400	1.0	55	30	5.0	1.0	1.2	*200
FM4937	600	1.0	55	30	5.0	1.0	1.2	*200

NOTE : " * " T_{rr} TEST @ $I_F = 1.0A$, $V_R = 30V$
@ $I_F = 1.0A$, $V_R = 30V$

1.0 AMPERE-FAST RECOVERY/DO-214AC (CASE 2)



FFM101	50	1.0	55	30	5.0	1.0	1.3	150
FFM102	100	1.0	55	30	5.0	1.0	1.3	150
FFM103	200	1.0	55	30	5.0	1.0	1.3	150
FFM104	400	1.0	55	30	5.0	1.0	1.3	150
FFM105	600	1.0	55	30	5.0	1.0	1.3	250
FFM106	800	1.0	55	30	5.0	1.0	1.3	500
FFM107	1000	1.0	55	30	5.0	1.0	1.3	500

1.0 AMPERE-SUPER FAST/DO-214AC (CASE 2)



EFM101	50	1.0	55	30	5.0	1.0	0.95	35
EFM102	100	1.0	55	30	5.0	1.0	0.95	35
EFM103	150	1.0	55	30	5.0	1.0	0.95	35
EFM104	200	1.0	55	30	5.0	1.0	0.95	35
EFM105	300	1.0	55	30	5.0	1.0	1.25	35
EFM106	400	1.0	55	30	5.0	1.0	1.25	35

1.0 AMPERE-HIGH EFFICIENCY/DO-214AC (CASE 2)



HFM101	50	1.0	50	30	5.0	1.0	1.0	50
HFM102	100	1.0	50	30	5.0	1.0	1.0	50
HFM103	200	1.0	50	30	5.0	1.0	1.0	50
HFM104	300	1.0	50	30	5.0	1.0	1.3	50
HFM105	400	1.0	50	30	5.0	1.0	1.3	50
HFM106	600	1.0	50	30	5.0	1.0	1.7	75
HFM107	800	1.0	50	30	5.0	1.0	1.7	75
HFM108	1000	1.0	50	30	5.0	1.0	1.7	75