

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 |