

| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 50 | 100 | 150 | 200 | 300 | 400 | 600 | Volts |
|------------------------------------------------------------------------------------------------------|------------------|--------------|-----|-----|-----|-----|-----|-----|-------|
| Maximum RMS Voltage | V _{RMS} | 35 | 70 | 105 | 140 | 210 | 280 | 420 | Volts |
| Maximum DC Blocking Voltage | V _{DC} | 50 | 100 | 150 | 200 | 300 | 400 | 600 | Volts |
| Maximum Average Forward Rectified Current at $T_A = 55^{\circ}C$ | lo | 1.0 | | | | | | | Amps |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | I _{FSM} | 30 | | | | | | | Amps |
| Typical Thermal Resistance (Note 4) | R _{0JA} | 85 | | | | | | | °C/W |
| | R _{0JL} | 35 | | | | | | | |
| Typical Junction Capacitance (Note 2) | CJ | 15 10 | | | | | | | pF |
| Operating and Storage Temperature Range | TJ, TSTG | -55 to + 150 | | | | | | | °C |

| CHARACTERISTICS | | SYMBOL | EFM101 | EFM102 | EFM103 | EFM104 | EFM105 | EFM106 | EFM107 | UNITS |
|------------------------------------------------------------|-----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Maximum Instantaneous Forward Voltage at 1.0ADC | | VF | 0 | 0.9 | 95 | - | 1. | 25 | 1.50 | Volts |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | $@T_A = 25^{\circ}C$ $@T_A = 100^{\circ}C$ | IR | 5.0 | | | | | | | μAmps |
| | | | 100 | | | | | | | μιτιρο |
| Maximum Reverse Recovery Time (Note 1) | 60 | trr | | | : | 35 | | | 50 | nSec |

NOTES : 1. Reverse Recovery Test Conditions: IF = 0.5A, IR = -1.0A, IRR = -0.25A

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts

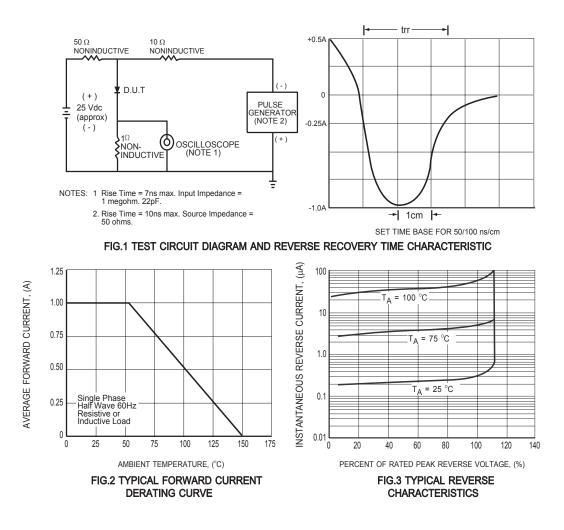
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

4. Thermal Resistance : Mounted on PCB.

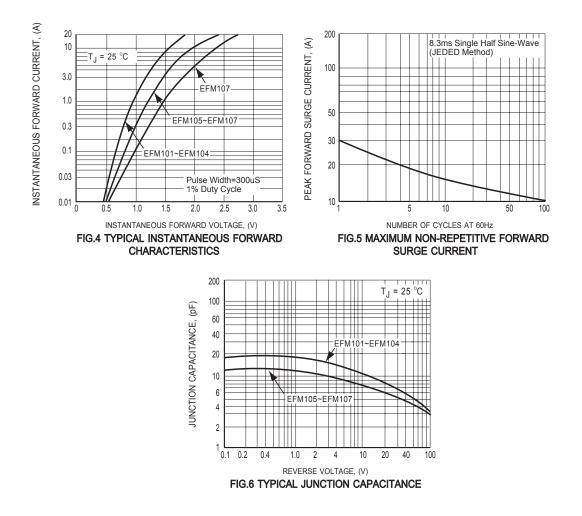


2006-11 REV:B

RATING AND CHARACTERISTICS CURVES (EFM101 THRU EFM107)



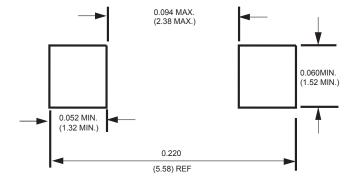
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RATING AND CHARACTERISTICS CURVES (EFM101 THRU EFM107)

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Mounting Pad Layout



Dimensions in inches and (millimeters)

