

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

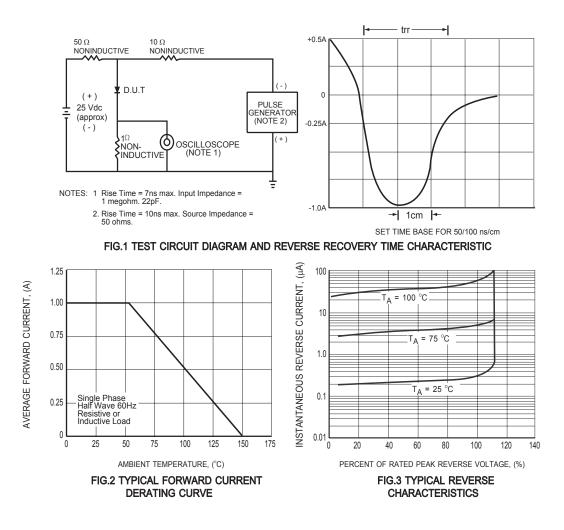
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

4. Thermal Resistance : Mounted on PCB.

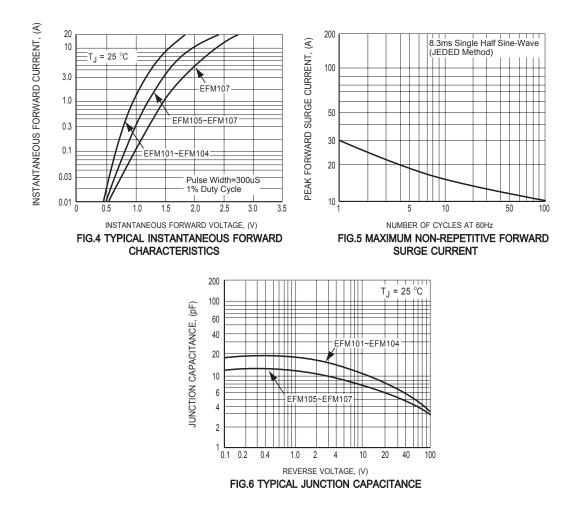


2006-11 REV:B

RATING AND CHARACTERISTICS CURVES (EFM101 THRU EFM107)



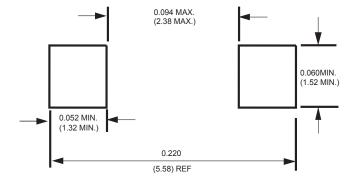
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RATING AND CHARACTERISTICS CURVES (EFM101 THRU EFM107)

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Mounting Pad Layout



Dimensions in inches and (millimeters)

