

For capacitive load, derate current by 20%.

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	FFM101L	FFM102L	FFM103L	FFM104L	FFM105L	FFM106L	FFM107L	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at $T_A = 55^{\circ}C$	IO	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30							Amps
Typical Thermal Resistance (Note 4)	R _{0JA}	70							°C/W
	R _{0JL}	30						0/11	
Typical Junction Capacitance (Note 2)	CJ	15							pF
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150						٥C	

ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	FFM101L FFM102L FFM103L FFM104L	FFM105L	FFM106L FFM107L	UNITS	
Maximum Instantaneous Forward Voltage at 1.0ADC		VF	1.3			Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A = 25°C	la.	2.0				
	@T _A = 100°C	IR IR	100				
Maximum Reverse Recovery Time (Note 1)		trr	150	250	500	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

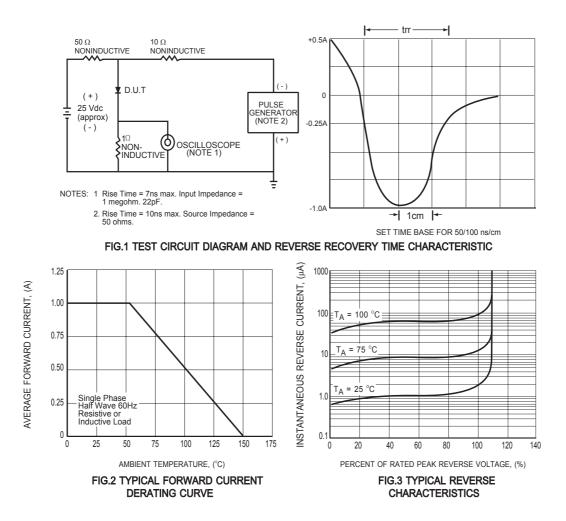
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

4. Thermal Resistance : Mounted on PCB.

2006-12

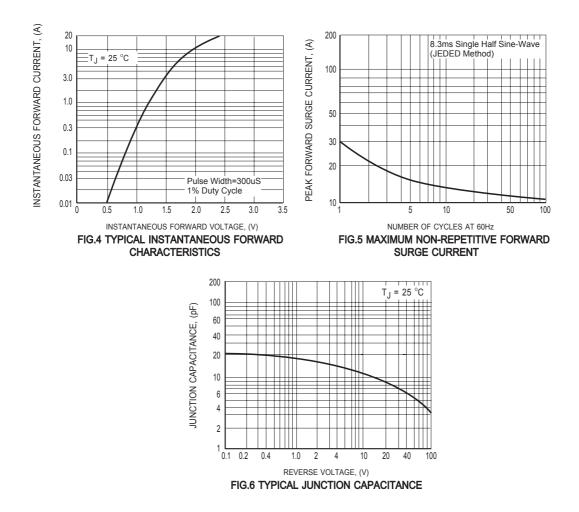
Dimensions in inches and (millimeters)

RATING AND CHARACTERISTICS CURVES (FFM101L THRU FFM107L)



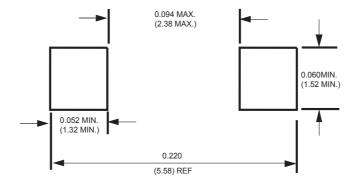
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RATING AND CHARACTERISTICS CURVES (FFM101L THRU FFM107L)



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Mounting Pad Layout



Dimensions in inches and (millimeters)



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