

Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	FFM301L	FFM302L	FFM303L	FFM304L	FFM305L	FFM306L	FFM307L	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	3.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	200						Amps	
Typical Thermal Resistance (Note 4)	R _{0JA}	50							• °C/W
	R _{0JL}	15							
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	FFM301L	FFM302L	FFM303L	FFM304L	FFM305L	FFM306L	FFM307L	UNITS
Maximum Instantaneous Forward Voltage at 3.0A DC		VF	1.30							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A = 25°C	1-	2.0							μAmps
	@T _A = 100°C	IR	100							
Maximum Reverse Recovery Time (Note 1)		trr		1	50		250	5	500	nSec

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

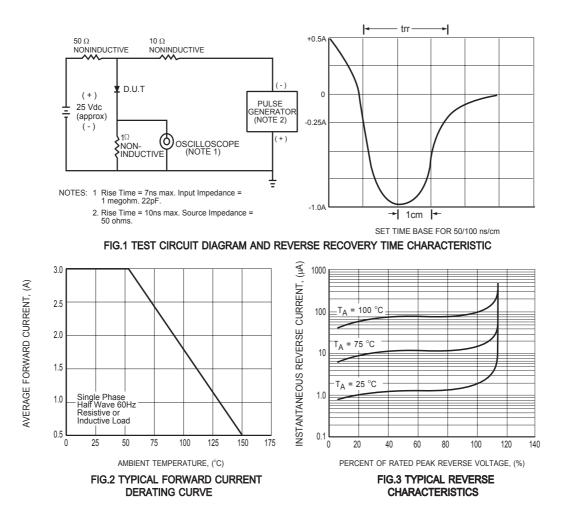
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts

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

4. Thermal Resistance : Mounted on PCB.

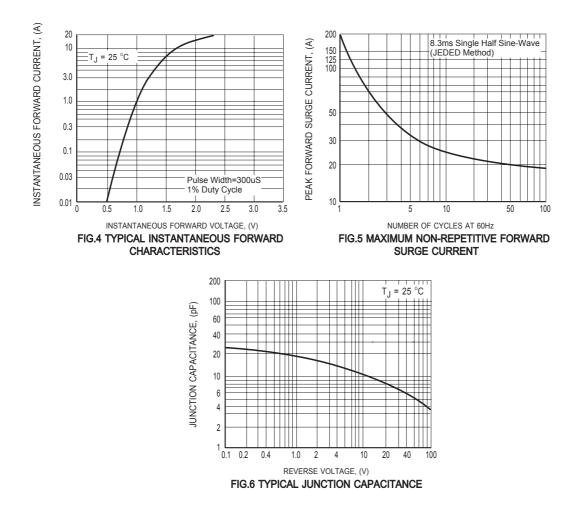
2006-12

RATING AND CHARACTERISTICS CURVES (FFFM301L THRU FFM307L)



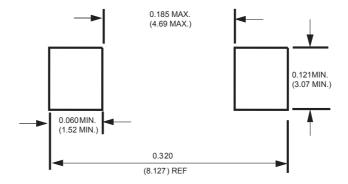


RATING AND CHARACTERISTICS CURVES (FFM301L THRU FFM307L)





Mounting Pad Layout



Dimensions in inches and (millimeters)



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