

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

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RATINGS	SYMBOL	1F10	1F12	1F14	1F15	1F16	1F18	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	1000	1200	1400	1500	1600	1800	Volts
Maximum RMS Voltage	Vrms	700	840	980	1050	1120	1260	Volts
Maximum DC Blocking Voltage	VDC	1000	1200	1400	1500	1600	1800	Volts
Maximum Average Forward Rectified Current at TA = 25°C	lo	0.5						Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	25						Amps
Typical Junction Capacitance (Note 2)	CJ	15						pF
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 150						٥C

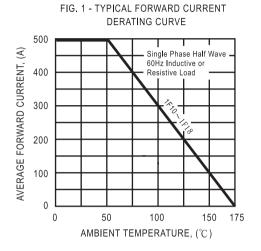
ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

	CHARACTERISTICS	SYMBOL	1F10	1F12	1F14	1F15	1F16	1F18	UNITS
	Maximum Instantaneous Forward Voltage at 0.5A DC	VF	1.8						Volts
R	Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C	la.	5.0						uAmps
, C	waximum Full Load Reverse Current Full Cycle Average, 375" (9-5mm) lead length at TL = 55°C	IR	100						uAmps
10	Maximum Reverse Recovery Time (Note 1)	trr	300						nSec
7	NOTES I Reverse Recovery Test Conditions: IF - 0.54 IP - 1.04 IPP - 0.254								1000.0

IT CREVERSE 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

RATING AND CHARACTERISTIC CURVES (1F10 THRU 1F18)



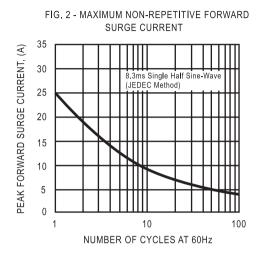


FIG. 3 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

