

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=75 ℃	I(AV)	1.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							A
Peak Forward Voltage at 1.0A DC	VF	1.3						V	
Maximum DC Reverse Current@TJ=25℃at Rated DC Blocking Voltage@TJ=100℃	lr	5.0 100							μA
Maximum Reverse Recovery Time (Note 1)	Trr	150			250	500		nS	
Typical Junction Capacitance (Note2)	Сл	25				15		pF	
Typical Thermal Resistance (Note3)	Reja	25						°C/W	
Operating Temperature Range	TJ	-55 to +150						°C	
Storage Temperature Range	Tstg	-55 to +150						°C	
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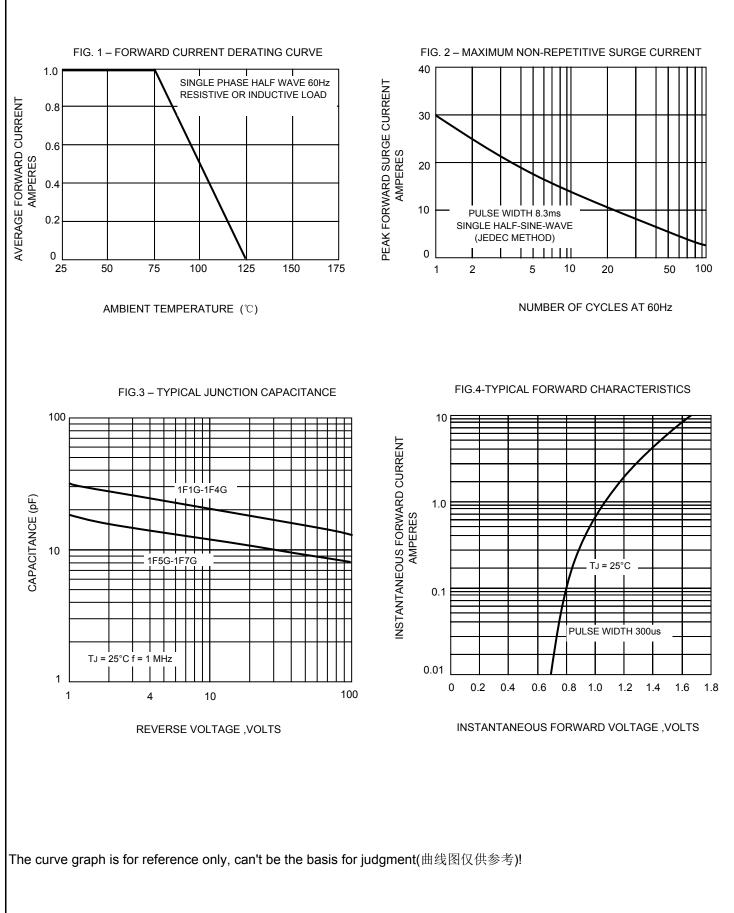
NOTES: 1.Measured with IF=0.5A,IR=1A,IRR=0.25A

2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

3. Thermal resistance junction to ambient.

4.The typical data above is for reference only(典型值仅供参考).

## RATING AND CHARACTERTIC CURVES 1F1G thru 1F7G





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