

1N5820 THRU 1N5822

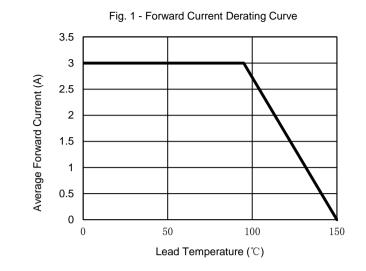
Schottky Barrier Rectifiers		Reverse Voltage - 20 to 40 Volts Forward Current - 3.0 Amperes			
Maximum Ratings and Electrical Characte	ristics				
Rating at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwise specif	ied.				
Single phase, half wave, 60Hz, resistive or inductive load.					
For capacitive load, derate current by 20%.					
Characteristics	Symbol	1N5820	1N5821	1N5822	Unit
Maximum Repetitive Peak Reverse Voltage	Vrrm	20	30	40	V
Maximum RMS Voltage	Vrms	14	21	28	V
Maximum DC Blocking Voltage	VDC	20	30	40	V
Maximum Average Forward Rectified Current @ TL=95 $^\circ\!\!\mathbb{C}$	I(AV)		3.0		А
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	1==+(
Superimposed on Rated Load (JEDEC Method)	IFSM	80			A
Peak Forward Voltage at 3.0 A DC 在3A	VF	0.45	0.55	0.60	V
	1	0.070		0.070	- I

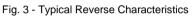
0.850 0.950 Peak Forward Voltage at 9.4 A DC 在9.4A Vf 0.900 V 1.0 Maximum DC Reverse Current @TJ=25°C IR mΑ at Rated DC Blocking Voltage @TJ=100°C 20 pF Typical Junction Capacitance (Note1) CJ 250 Rejl 20 ℃/W Typical Thermal Resistance Junction to Lead -55 to +150 Junction Temperature Range ТJ °C Storage Temperature Range Tstg -55 to +150 °C

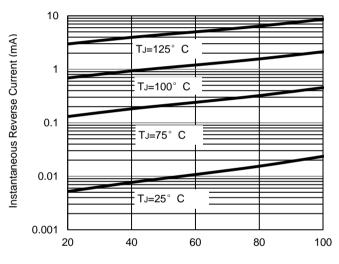
Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

2. The typical data above is for reference only.

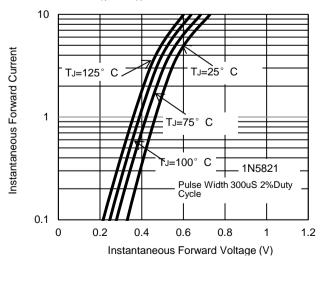
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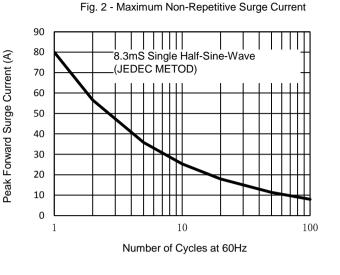


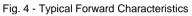


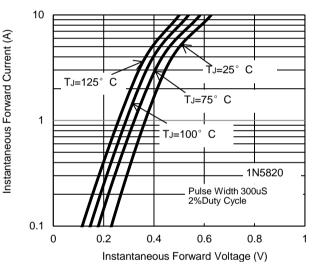




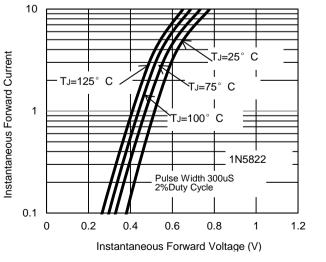












The curve above is for reference only.

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