

1N4001G THRU 1N4007G

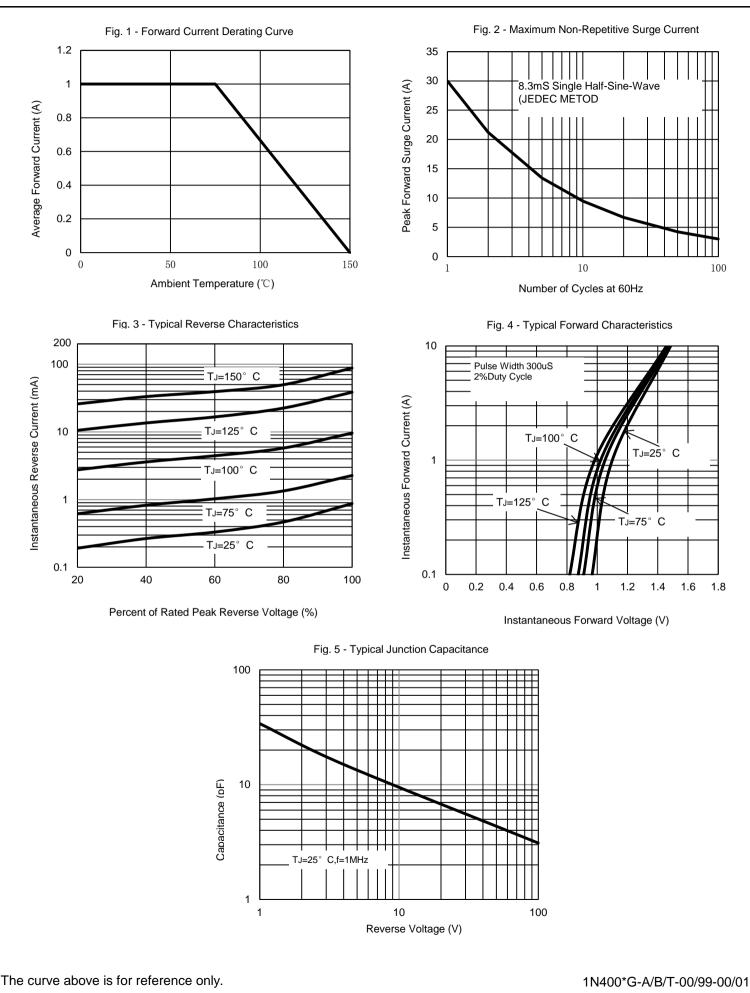
Glass Passivated Rectifiers			Reverse Voltage - 50 to 1000Volts Forward Current - 1.0 Amperes							
Features		DO-	41						Pb	
• Low cost		_								
 Low reverse leakage current 				↑					RoHS	
 Low forward voltage drop 					024 (0 (2)		с	OMPLIANT	
 High surge capacity 			1.0	(25.4)	028 (0.8	Dia.				
Meet UL flammability classification 94V-0			1.0	(25.4) Min.	.020 (0.1	,				
Mechanical Data										
Case: JEDEC DO-41 molded plastic			205 (5.2							
 Polarity: Color band denotes cathode 			165 (4.2							
Mounting position: Any		<u>- 106 (2.7)</u> .079 (2.0) Dia.								
Applications		1.0 (25.4) Min.								
• For use in low voltage, high frequency inverters,										
polarity protection applications										
			Dealers		Dimensi		h / A - 11:			
Maximum Ratings and Electrical Charac	teristic	<u> </u> S	Гаскау	e Outime	Dimensi		hes (Milli	meters)		
Rating at 25°C ambient temperature unless otherwise spe		-								
Single phase, half wave, 60Hz, resistive or inductive load										
For capacitive load, derate current by 20%.										
Characteristics	Symbol	1N4001G	1N4002G	1N4003G	1N4004G	1N4005G	1N4006G	1N4007G	Unit	
Maximum Repetitive 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 $^\circ C$	l(AV)	1.0							А	
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	IFSM	30						А		
Superimposed on Rated Load (JEDEC Method)	11 5101	1VI 3U						7		
I ² t Rating for Fusing (t<8.3mS)	l ² t	3.7							A ² s	
Peak Forward Voltage at 1.0A DC (Note1)	VF	1.1							V	
Maximum DC Reverse Current $@T_J=25^{\circ}C$	IR	5.0							uA	
at Rated DC Blocking Voltage @TJ=125℃		50								
Typical Junction Capacitance (Note 2)	CJ	15							pF	
Typical Thermal Resistance Junction to Case	Rejc	50							°C/W	
Operating Junction Temperature Range	ТJ	-55 to+150							°C	
Storage Temperature Range	Тѕтс				-55 to+150	0			°C	
Notes: 1. 300uS pulse width, 2%duty cycle.										

lotes: 1. 300uS pulse width, 2%duty cycle.

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

3. The typical data above is for reference only .

Rating and Characteristic Curves 1N4001G THRU 1N4007G



Rev. 10, 1-Nov-2019



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