

1N4001GL thru 1N4007GL

GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

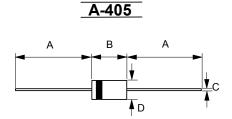
FEATURES

- Glass passivated chip
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Plastic material has UL flammability classification 94V-0

MECHANICAL DATA

Case: JEDEC A-405 molded plastic
Polarity: Color band denotes cathode
Weight: 0.008 ounces, 0.22 grams

• Mounting position : Any



	A-405						
Dim.	Min.	Max.					
Α	25.4	-					
В	4.10	5.20					
С	0.53 Ø	0.64 Ø					
D	2.00 Ø	2.70 Ø					
All Dimensions in millimeter							

Datasne

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

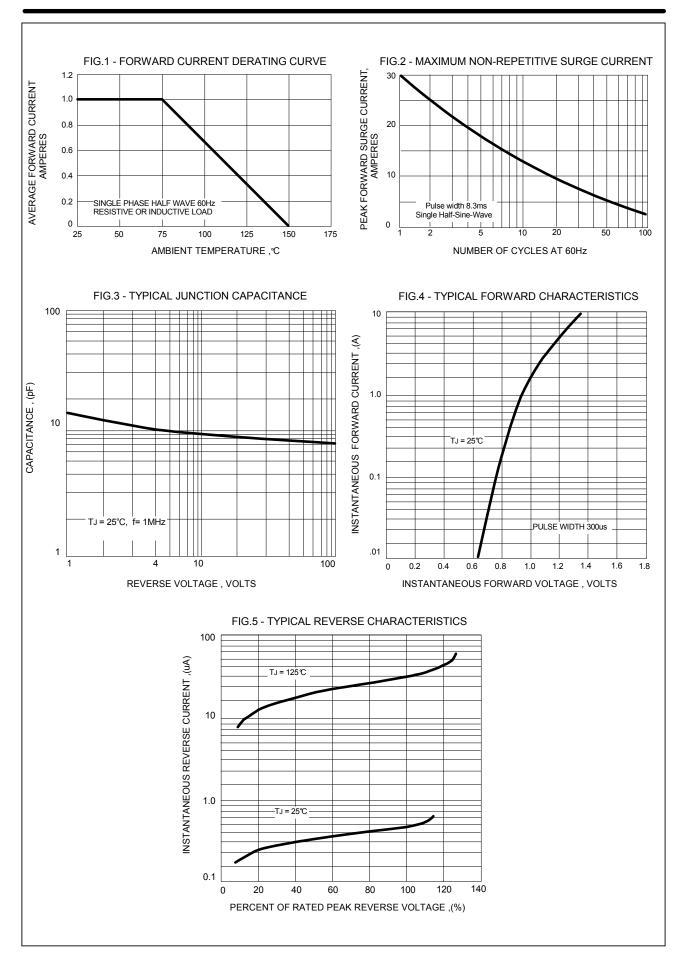
CHARACTERISTICS	SYMBOL	1N 4001GL	1N 4002GL	1N 4003GL	1N 4004GL	1N 4005GL	1N 4006GL	1N 4007GL	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA =75°C	I(AV)				1.0				Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM				30				А
Maximum forward Voltage at 1.0A DC	VF				1.1				٧
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =125°C	lR	5.0 50						uA	
Typical Junction Capacitance (Note 1)	Сл				10				pF
Typical Thermal Resistance (Note 2)	Reja				45				°C/W
Operating Temperature Range	TJ				55 to +150)			°C
Storage Temperature Range	Тѕтс			-	55 to +150	0			°C

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

2. Thermal Resistance Junction to Ambient.

REV. 4, Oct-2010, KDDB01







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