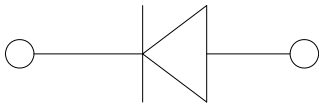
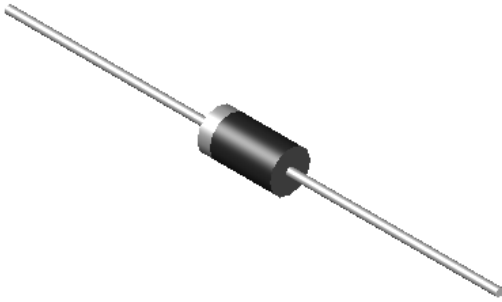


## General Purpose Rectifier



### Features

- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss
- Glass passivated chip junction
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Mechanical Data

- **Package:** DO-201AD(DO-27)  
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes cathode end

### ■ Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	1N5400G	1N5401G	1N5402G	1N5404G	1N5406G	1N5407G	1N5408G
Device marking code			1N5400G	1N5401G	1N5402G	1N5404G	1N5406G	1N5407G	1N5408G
Repetitive Peak Reverse Voltage	$V_{RRM}$	V	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave, Resistance load, Ta =70°C	$I_{F(AV)}$	A	3.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Ta=25°C	$I_{FSM}$	A	200						
Storage Temperature	Tstg	°C	-55 ~ +150						
Junction Temperature	Tj	°C	-55 ~ +150						

### ■ Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	1N5400G	1N5401G	1N5402G	1N5404G	1N5406G	1N5407G	1N5408G
Maximum instantaneous forward voltage drop per diode	$V_{FM}$	V	$I_{FM}=3.0A$	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	$I_{RRM1}$	μA	Ta=25°C	2.5						
	$I_{RRM2}$		Ta=100°C	50						
Typical junction capacitance	Cj	pF	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C.	40						

### ■ Thermal Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	1N5400G	1N5401G	1N5402G	1N5404G	1N5406G	1N5407G	1N5408G
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/W	30						



# 1N5400G THRU 1N5408G

## Ordering Information (Example)

PREFERRED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N5400G~1N5408G	D1	Approximate 1.05	1250	1250	12500	Tape
1N5400G~1N5408G	C1	Approximate 1.05	250	250	12500	Bulk

## Characteristics (Typical)

FIG.1:  $I_o$ - $T_a$  Curve

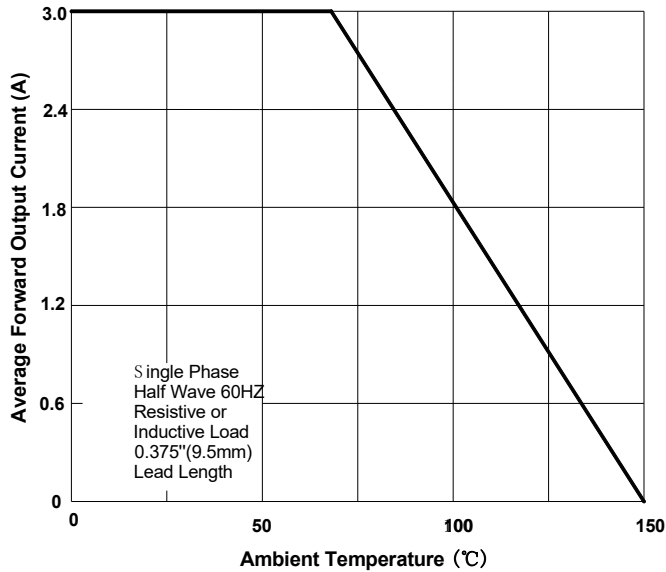


FIG.2: Forward Surge Current Capability

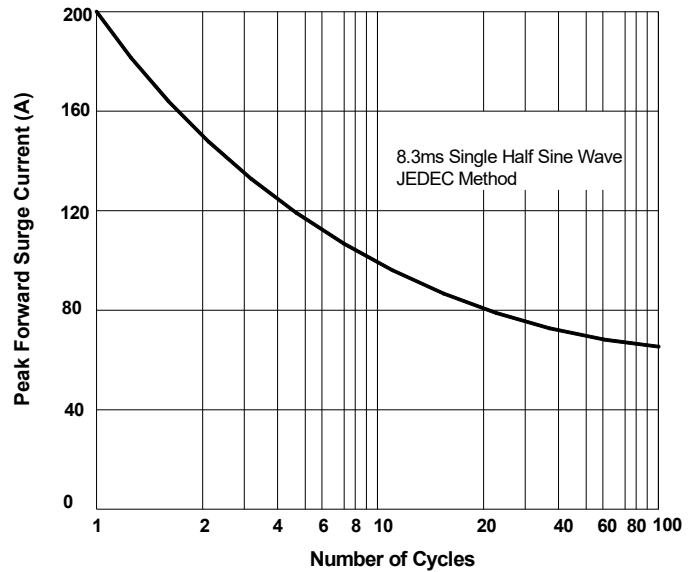


FIG.3: Forward Voltage

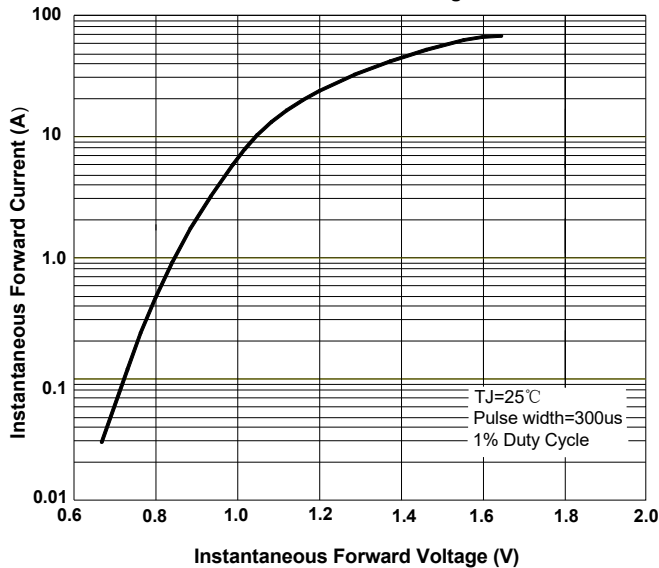
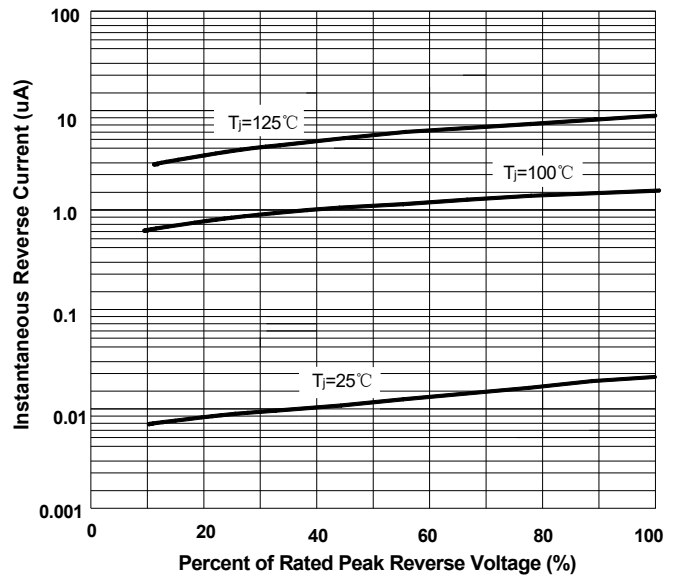


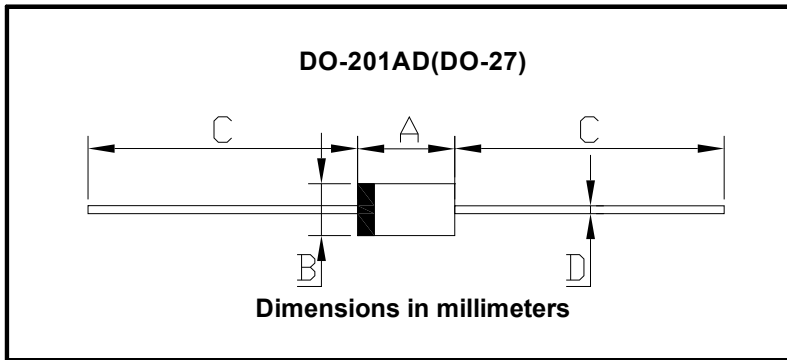
FIG.4: Typical Reverse Characteristics





# 1N5400G THRU 1N5408G

## ■ Outline Dimensions



<b>DO-201AD(DO-27)</b>		
Dim	Min	Max
A	8.50	9.50
B	5.00	5.60
C	25.4	/
D	1.20	1.30



## 1N5400G THRU 1N5408G

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