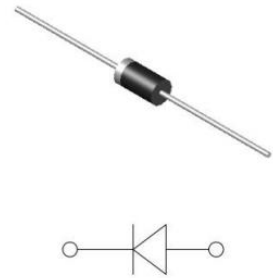
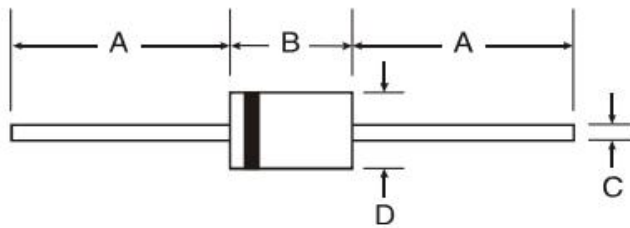


Features

- ◆ Glass Passivated Die Construction
- ◆ High Current Capability and Low Forward Voltage Drop
- ◆ Surge Overload Rating to 125A Peak
- ◆ Case: DO-201AD
- ◆ Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- ◆ Moisture Sensitivity: Level 1 per J-STD-020
- ◆ Polarity: Cathode Band



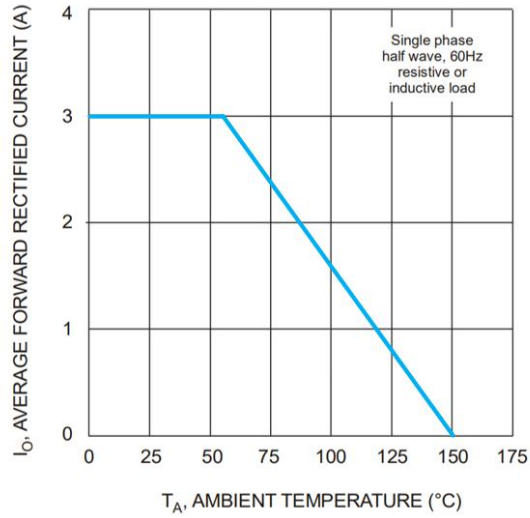
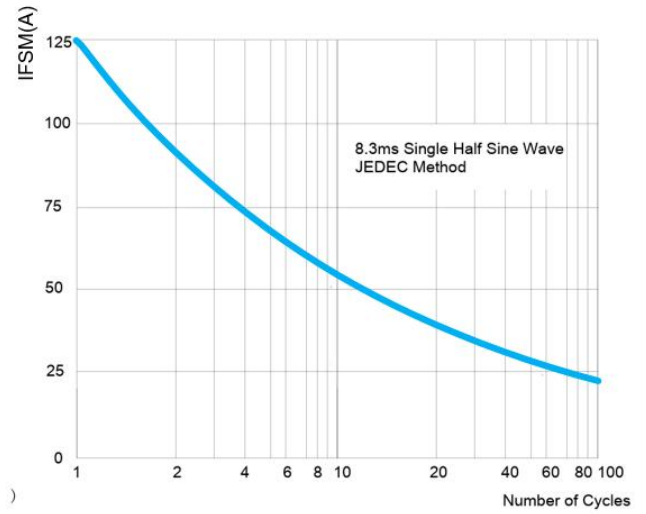
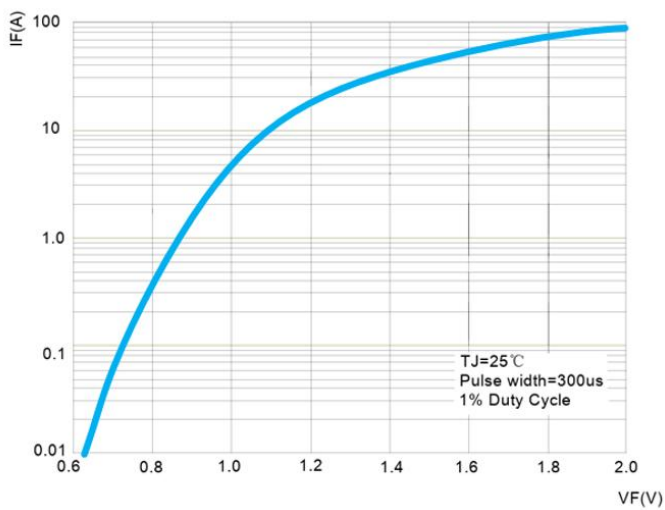
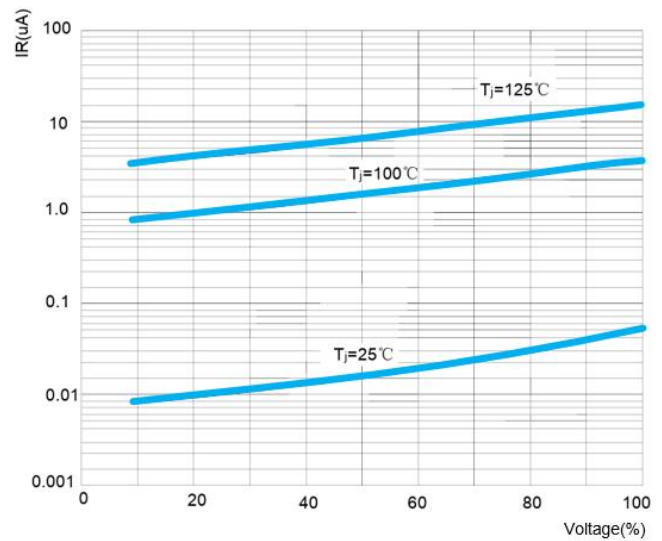
Dimensions (DO-201AD/DO-27)



Ref.	Millimeters	
	Min.	Max.
A	25.40	-
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30

Maximum Rating and Electrical Characteristics($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Rating		Symbol	1N 5400G	1N 5401G	1N 5402G	1N 5404G	1N 5406G	1N 5407G	1N 5408G	Unit
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	V
Average Forward Current @Half-sine wave, Resistance load		I _O	3							A
Forward Surge Current (Non-repetitive) @60HZ sine wave, 1 cycle, T _A =25 °C		I _{FSM}	125							A
Maximum forward Voltage at 3A		V _F	1.1							V
Peak Reverse Current at Rated DC Blocking Voltage	@T _J =25°C	I _R	2.5							μA
	@T _J =125°C		50							
Current squared time @1ms≤t≤8.3ms T _A =25 °C, Rating of per diode		I ² t	64.8							A ² s
Typical Thermal Resistance		R _{thJA}	30							°C/W
Operating Temperature Range		T _J	-55 to +150							°C
Storage Temperature Range		T _{STG}	-55 to +150							°C

Ratings and Characteristic Curves ($T_A=25^{\circ}\text{C}$ unless otherwise noted)**Figure 1. Forward Current Derating Curve****Figure 2. Forward Surge Current Capability****Figure 3. Forward Voltage****Figure 4. Typical Reverse Characteristics**

Wave Soldering Parameters

