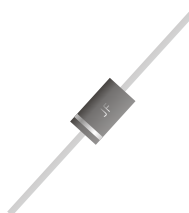


## FEATURES

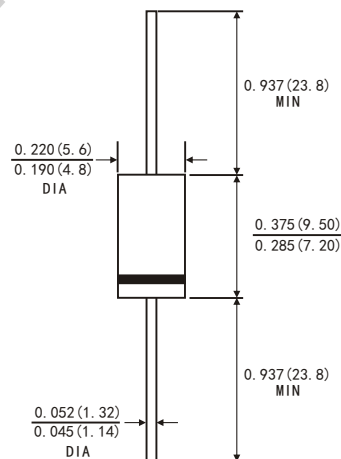
- The plastic package has Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds at terminals  
0.375"(9.5mm) lead length,5lbs.(2.3kg)tension
- Component in accordance to RoHS 2011/65/EU

## MECHANICAL DATA

- Case: JEDEC DO-201AD molded plastic body
- Terminals: Lead solderable per MIL-STD-750,method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.042ounce, 1.19 grams



## DO-201AD



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified ,Single phase ,half wave 60Hz ,resistive or inductive load. For capacitive load, derate by 20%.)

		Symbols	1N 5400	1N 5401	1N 5402	1N 5403	1N 5404	1N 5405	1N 5406	1N 5407	1N 5408	Units
Maximum Recurrent Peak Reverse Voltage		V <sub>RRM</sub>	50	100	200	300	400	500	600	800	1000	Volts
Maximum RMS Voltage		V <sub>RMS</sub>	35	70	140	210	280	350	420	560	700	Volts
Maximum DC Blocking Voltage to T <sub>A</sub> =105°C		V <sub>DC</sub>	50	100	200	300	400	500	600	800	1000	Volts
Maximum average Forward Rectified Current		I(AV)	3.0									Amps
Peak Forward Surge Current (8.3ms half sine-wave superimposed on rated load (JEDEC method)		I <sub>FSM</sub>	125									Amps
Maximum Instantaneous Forward Voltage at 3.0 A		V <sub>F</sub>	1.0									Volts
Maximum Reverse current at rated DC Blocking Voltage	T <sub>A</sub> =25°C	I <sub>R</sub>	5									μA
	T <sub>A</sub> =125°C		100									
Typical Thermal Resistance (Note 2)		R <sub>θJA</sub>	25									°C/W
Typical Junction Capacitance (Note 1)		C <sub>J</sub>	50.0									pF
Operating and Storage temperature Range		T <sub>J</sub> T <sub>STG</sub>	-55 to+150									°C

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

2.Thermal resistance from junction to ambient and from junction to lead at 0.375"(9.5mm)lead length ,  
P.C.B. mounted

# RATINGS AND CHARACTERISTIC CURVES 1N5400 THRU 1N5408

FIG.1-FORWARD CURRENT DERATING CURVE

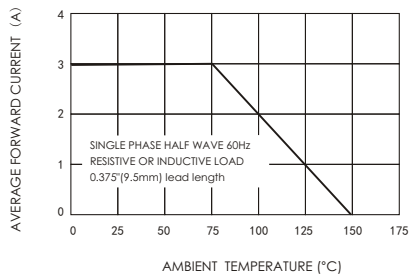


FIG.2-TYPICAL INSTANTANEOUS FORWARD VOLTAGE.(V)

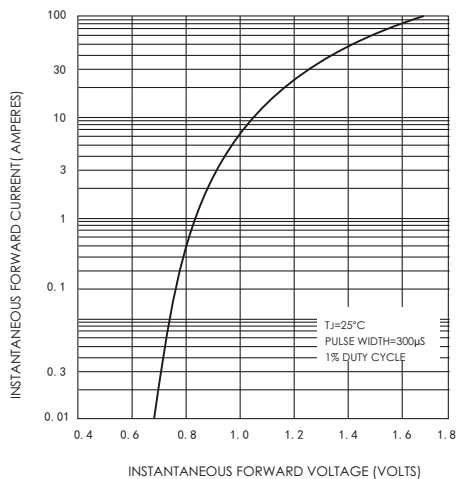


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

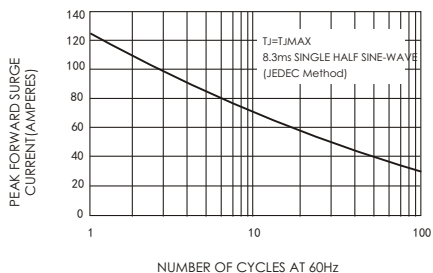


FIG.4-TYPICAL REVERSE CHARACTERISTICS

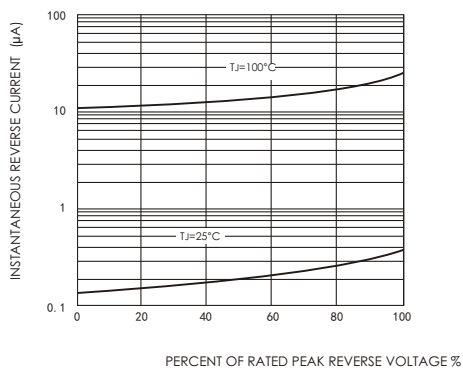


FIG.5-TYPICAL JUNCTION CAPACITANCE

