

**PLASTIC SILICON RECTIFIERS**

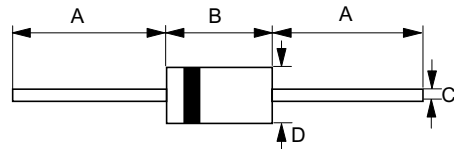
REVERSE VOLTAGE - **50 to 1000** Volts
 FORWARD CURRENT - **3.0** Amperes

FEATURES

- Low cost
- Diffused junction
- Low forward voltage drop
- Low reverse leakage current
- High current capability
- The plastic material carries UL recognition 94V-0

MECHANICAL DATA

- Case : JEDEC DO-201AD molded plastic
- Polarity : Color band denotes cathode
- Weight : 0.04 ounces, 1.2 grams
- Mounting position : Any

DO-201AD

DO-201AD		
Dim.	Min.	Max.
A	25.4	-
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in millimeter		

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 current by 20%

CHARACTERISTICS	SYMBOL	1N 5400	1N 5401	1N 5402	1N 5403	1N 5404	1N 5405	1N 5406	1N 5407	1N 5408	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	300	400	500	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	210	280	350	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	500	600	800	1000	V
Maximum Average Forward Rectified Current @TA=75°C	I(AV)	3.0									A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	IFSM	150									A
Maximum forward Voltage at 3.0A DC	VF	1.0									V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25°C @TJ =100°C	IR	10 100									uA
Typical Junction Capacitance (Note 1)	CJ	50						35			pF
Typical Thermal Resistance (Note 2)	RθJA	20									°C/W
Operating Temperature Range	TJ	-55 to +150									°C
Storage Temperature Range	TSTG	-55 to +150									°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
 2.Thermal Resistance Junction to Ambient.

RATINGS AND CHARACTERISTIC CURVES

