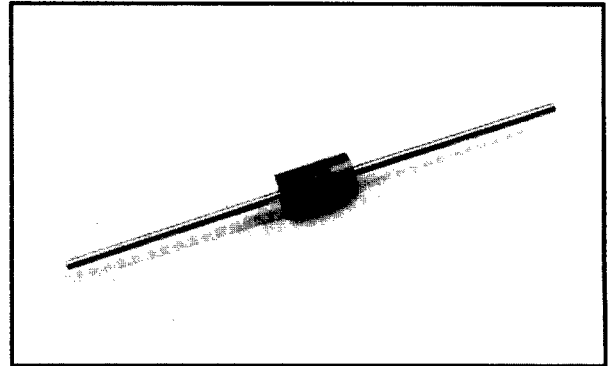
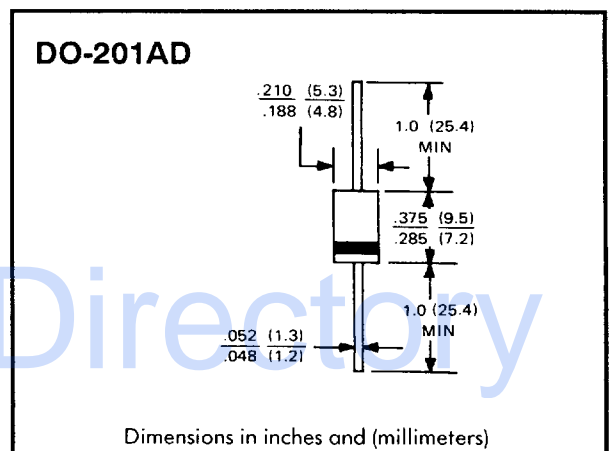


1N5400 Thru 1N5408

3 AMP PLASTIC SILICON RECTIFIER



Outline Drawing



FEATURES

- Low cost
- Diffused junction
- Low leakage
- Low forward voltage drop
- High current capability
- Easily cleaned with freon, alcohol, chloroethene and similar solvents
- UL recognized 94V-O plastic material

Mechanical Data

- Case: JEDEC DO-201AD
- Terminals: Axial leads, solderable per MIL-STD-202, Method 208
- Polarity: Color band denotes cathode
- Weight: 0.04 ounce, 1.1 grams
- Mounting Position: Any

Maximum Ratings & 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%

		1N5400	1N5401	1N5402	1N5403	1N5404	1N5405	1N5406	1N5407	1N5408	Units	
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, .500" (12.7mm) Lead Length	I _(AV)	3.0										A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I _{FSM}	200										A
Maximum Forward Voltage At 3.0A DC	V _F	1.0										V
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10										μA
		100										
Typical Junction Capacitance (Note 1)	C _J	50					25					pF
Typical Thermal Resistance (Note 2)	R _{thJA}	15										°C/W
Operating Temperature Range	T _J	-65 to +175										°C
Storage Temperature Range	T _{STG}	-65 to +175										°C

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