
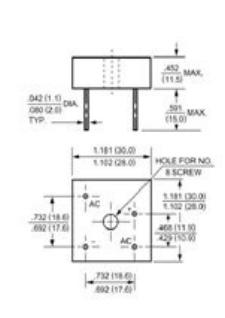
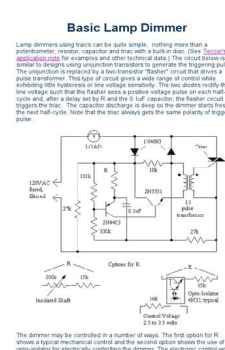


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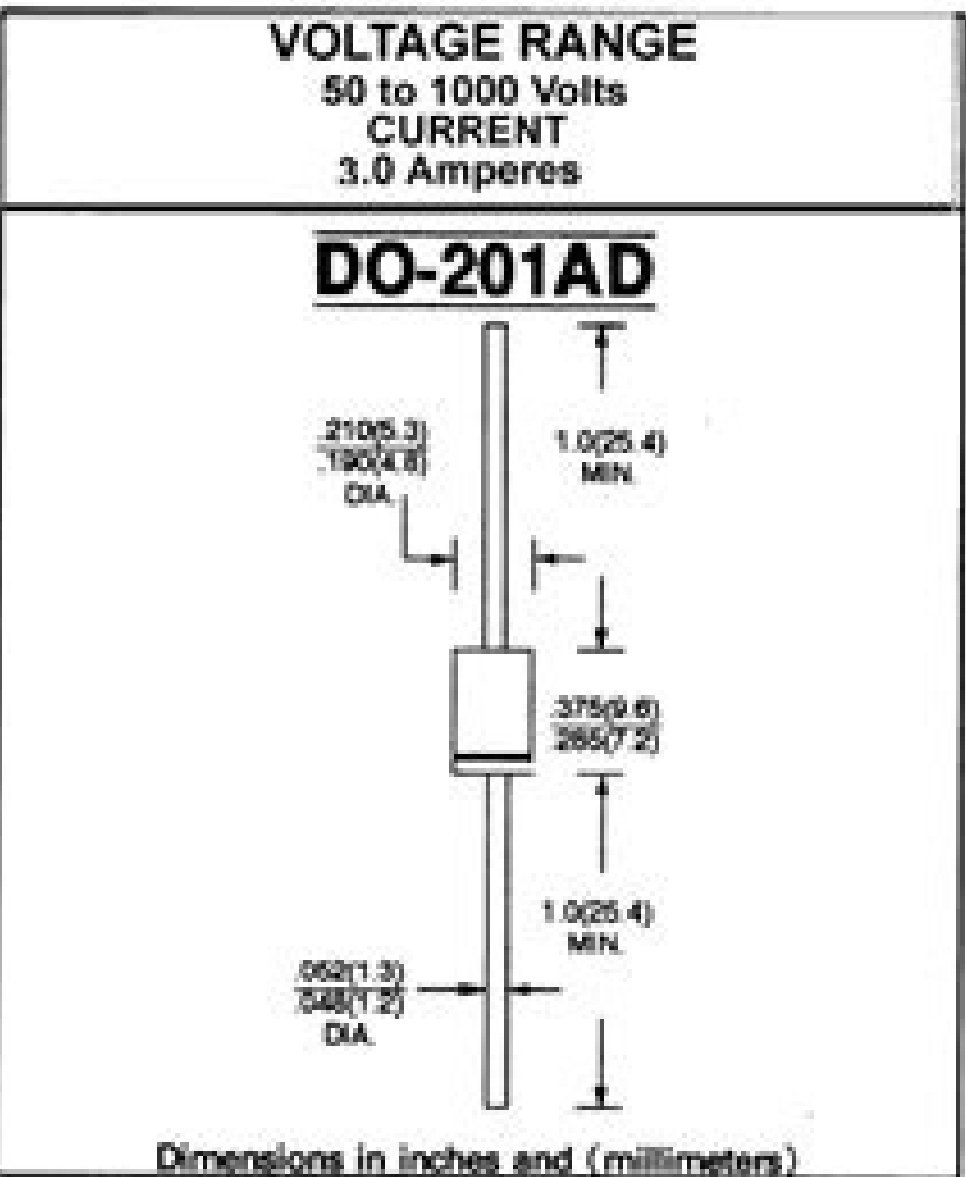
1N5400 THRU 1N5408
3.0 AMPS. SILICON RECTIFIERS

FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 1.18 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS
Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOLS	1N 5400	1N 5401	1N 5402	1N 5404	1N 5405	1N 5407	1N 5408	UNITS
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 D.C Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375" (9.5mm) lead length @ $T_A = 75^\circ\text{C}$	$I_{(AV)}$	3.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	200							A
Maximum Instantaneous Forward Voltage at 3.0A	V_F	1.0							V
Maximum D.C Reverse Current @ $T_A = 25^\circ\text{C}$ at Rated D.C Blocking Voltage @ $T_A = 100^\circ\text{C}$	I_R	5.0 50.0							μA μA
Typical Junction Capacitance (Note 1)	C_J	50							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	18							$^\circ\text{C}/\text{W}$
Operating Temperature Range	T_J	-65 to +125							$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 to +150							$^\circ\text{C}$

NOTES: 1. Measured at 1 MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance from Junction to Ambient 0.375"(9.5mm) Lead Length.

1000 lines of dense, repetitive, and mostly illegible text, likely representing a corrupted or highly distorted document. The text is a dense stream of characters, including letters, numbers, and special characters, with no discernible structure or meaning. It appears to be a single block of text filling the entire page.

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