

# 1N4052

Conform to JEDEC DO-205AB (DO-9)  
 All dimensions in millimeters (inches)

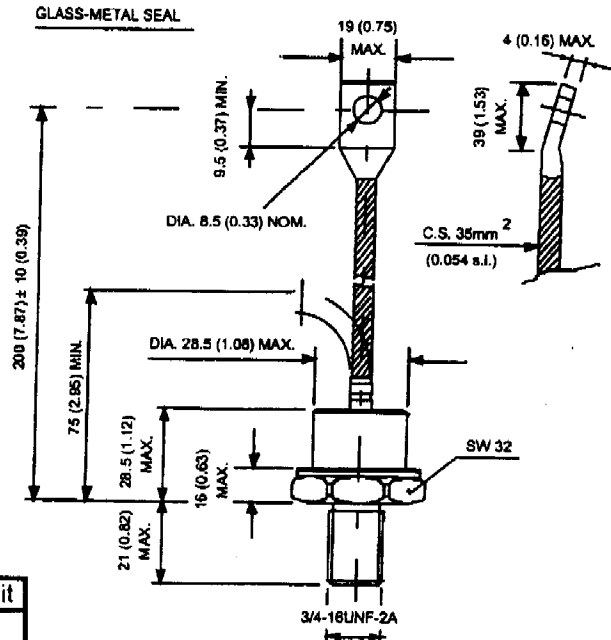
## Standard Rectifier (trr more than 500ns)

### Description

275A, 50V-1400V Rectifier in DO9 package.

- \* Glass to metal seal construction
- \* High surge current capability
- \* Soft recovery
- \* Glass passivated die
- \* VRRM 50 to 1400 volts

Standard Polarity: Stud is Cathode  
 Reverse Polarity: Stud is Anode

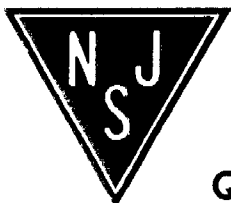


Absolute Maximum Ratings	Symbol	Max	Unit
Output Current	$I_o$	275	A
Reverse Voltage	$V_{rwm}$	600	V
Max Forward Surge Current	$I_{FSM}$	5000	A

Electrical Characteristics	Symbol	Min	Typ	Max	Unit
<b>Forward Voltage</b>					
( $I_F=300$ A, $T_A=25^\circ\text{C}$ )	$V_F$			1.3	V
<b>Reverse Leakage Current</b>					
( $V_{rwm}=600$ V, $T_A=25^\circ\text{C}$ )	$I_R$			75	$\mu\text{A}$

### Thermal and Mechanical Characteristics

Storage temperature range	$T_{STG}$	-65°C to 190°C
Operating junction temp range	$T_J$	-65°C to 190°C
Maximum thermal resistance	$R_{\theta JC}$	0.18°C/W junction to case
Typical Thermal Resistance (greased)	$R_{\theta CS}$	.08°C/W case to sink
Mounting torque		300-325 inch pounds
Weight		8.5 ounces (240 grams) typical



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