

1N4052

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

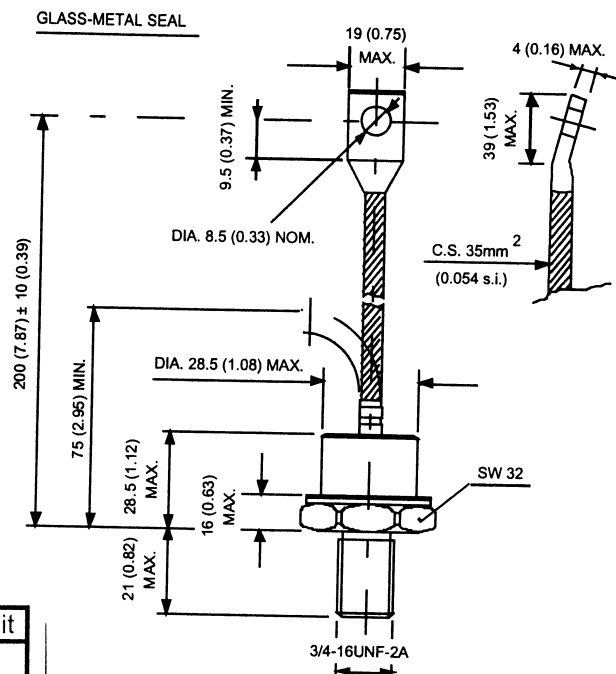
Standard Rectifier (trr more than 500ns)

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
Forward Voltage					
($I_F=300$ A, $T_A=25$ °C)	V_F			1.3	V
Reverse Leakage Current					
($V_{RWM}=600$ V, $T_A=25$ °C)	I_R			75	μA

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)	$R_{\theta CS}$	0.08°C/W case to sink
Mounting torque		300-325 inch pounds
Weight		8.5 ounces (240 grams) typical

