

**60S05  
 thru  
 60S10**

**6 Amp Axial-Lead  
 Glass Passivated  
 Rectifier  
 50 - 1000 Volts**

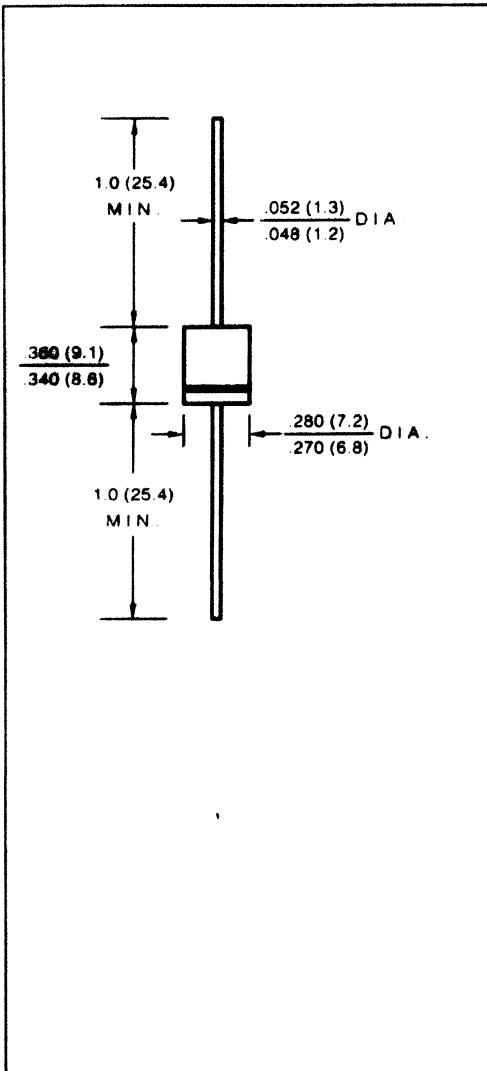
**Features**

- Glass Passivated Chip
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Low Leakage

**Maximum Ratings**

- Operating Junction Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +175°C

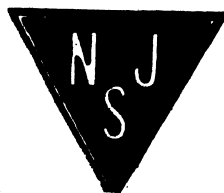
Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
60S05	60S05	50V	35V	50V
60S1	60S1	100V	70V	100V
60S2	60S2	200V	140V	200V
60S4	60S4	400V	280V	400V
60S6	60S6	600V	420V	600V
60S8	60S8	800V	560V	800V
60S10	60S10	1000V	700V	1000V



**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Average Forward Current	$I_{F(AV)}$	6.0A	$T_A = 100^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	200A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	1.0V	$I_{FM} = 6.0A;$ $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	5 $\mu\text{A}$ 100 $\mu\text{A}$	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$
Typical Junction Capacitance	$C_J$	150pF	Measured at 1.0MHz, $V_R=4.0V$

\*Pulse test: Pulse width 300  $\mu\text{sec}$ , Duty cycle 1%



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