

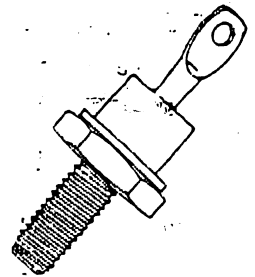
# Silicon Rectifier

**1N3569-74**

## MEDIUM CURRENT

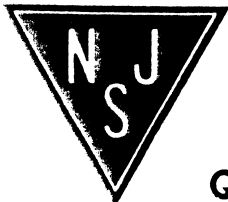
The 1N3569-74 series stud mounted device in the popular DO-4 package is designed especially for reliability and long life. This series is especially desirable in industrial applications that require high surge capabilities. In addition to this feature the 1N3569-74 units have:

- Hermetically Sealed Housing
- Low Forward Drop
- Transient PRV Rating
- Operating Temperature up to 165°C



### RATINGS AND SPECIFICATIONS 60 cps Resistive or Inductive Load

	1N3569	1N3570	1N3571	1N3572	1N3573	1N3574
**Maximum Allowable Transient Peak Reverse Voltage (non-recurrent, 5 millisecond duration)	150	275	400	525	650	775 V
Maximum Allowable Repetitive Peak Reverse Voltage (PRV)	100	200	300	400	500	600 V
Maximum Allowable RMS Voltage	70	140	210	280	350	420 V
Maximum Allowable DC Blocking Voltage	100	200	300	400	500	600 V
*Maximum Allowable DC Output Current						
at 85°C Stud Temperature	← 3.50 → Amps					
at 150°C Stud Temperature	← 1.25 → Amps					
**Maximum Allowable Peak One Cycle Surge Current (60 cps single phase, non-recurrent) — See Fig. 5	← 35 → Amps					
**Minimum I <sup>t</sup> Rating (non-recurrent) — See Fig. 6	← 3 → Amp <sup>2</sup> sec					
Maximum Full Load Voltage Drop (full cycle average at rated load) 25°C Ambient	← 1.25 → V					
Maximum Reverse Current (full cycle average at rated voltage) 150°C Ambient	← 0.4 → mA					
Maximum Operating Temperature	← -65°C to +165°C →					
Maximum Storage Temperature	← -65°C to +175°C →					
Thermal Characteristics	← 10°C/W →					
Typical Thermal Impedance: Junction to Stud						



Quality Semi-Conductors