

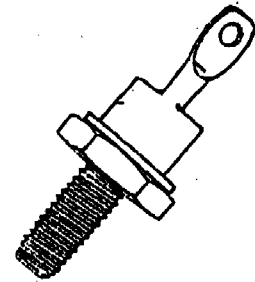
# Silicon Rectifier

**IN3569-74**

**MEDIUM CURRENT**

The IN3569-74 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 IN3569-74 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

	IN3569	IN3570	IN3571	IN3572	IN3573	IN3574
**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>2</sup> t 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 —————→					
<u>Thermal Characteristics</u>						
Typical Thermal Impedance: Junction to Stud	←————— 10°C/W —————→					

