20 STERN AVE. SPRINGFIELD, NEW JERSEY 07081 U.S.A. TELEPHONE: (973) 376-2922

(212) 227-6005

FAX: (973) 376-8960

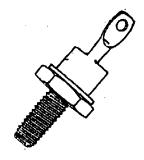
Silicon Rectifier

IN3569-74

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

**Maximum Allowable Transient Peak Reverse Voltage	1N3569	1N3570	1N3571	1N3572	1N3573	1N3574	
(non-recurrent, 5 millisecond duration)	150	275	400	525	650	775 Y	
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	<i>.,8</i> 00	400	.600	600 V	
*Maximum Allowable DC Output Current							
at 85°C Stud Temperature	3.50				Amps		
at 150°C Stud Temperature			—— 1:2	5		- Amps	
**Maximum Allowable Peak One Cycle Surge Current (60 cps single phase, non-recurrent) —See Fig. 5	•	· ·	35			►Amps	
**Minimum I2t Rating (non-recurrent) — See Fig. 6			 3		—→ Ai	mp² sec	
Maximum Full Load Voltage Drop (full cycle average at rated load) 25°C Ambient	4		— 1.25	·——		 ▼	
Maximum Reverse Current (full cycle average at rated voltage) 150°C Ambient	-		0.4	,		→ m	
Maximum Operating Temperature	-65°C to +165°C						
Maximum Storage Temperature	-		55°C to	+175°C			
Thermal Characteristics							
Typical Thermal Impedance: Junction to Stud			– 10°C/	w			



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.