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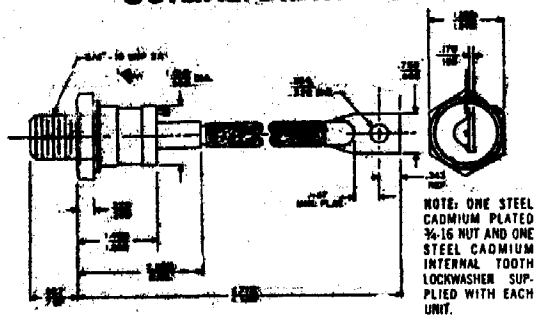
Silicon Rectifiers

1N3260-73,R

This product features:

- Choice of stud anode or stud cathode types
- Thermal fatigue resistant
- Low reverse current
- Great uniformity of product
- High surge current capabilities

OUTLINE DRAWING



RATINGS AND SPECIFICATIONS:[1]

	1N3260	1N3261	1N3262	1N3263	1N3264	1N3265	1N3266	1N3267	1N3268	1N3269	1N3270	1N3271	1N3272	1N3273
*Maximum Allowable Repetitive Peak Reverse Voltage, V_{RRM}(rep)[2]	50	100	150	200	250	300	350	400	500	600	700	800	900	1000
*Maximum Allowable DC Blocking Voltage, V_R[3]	40	80	120	160	200	240	280	320	400	480	560	640	720	800
*Maximum Allowable Average Forward Current, I_F (AV) (single phase, 125°C case temperature)	160 amperes													
*Maximum Allowable Peak One-Cycle Surge Current, I_{TSM}(surge) (60 cps single-phase basis, non-repetitive)	2000 amperes													
Minimum I^2t Rating (non-repetitive)	8,250 amperes² seconds (see Chart 7)													
*Maximum Peak Forward Voltage Drop, V_{FM} (I_T= 160 amps DC, T_C=125°C)	1.6 volts													
*Maximum Full Load Reverse Current, $I_{R(AV)}$ (full-cycle average, 125°C case temperature, single phase)	12 milliamperes													
*Maximum Thermal Resistance, $R_{\theta JC}$ (junction to case)	0.3°C/watt													
*Storage Temperature, T_{stg}	65°C to +175°C													
*Operating Temperature, T_J	55°C to +190°C													
Stud Torque[4]—Maximum	325 inch-pounds (375 kg-cm)													
—Minimum	275 inch-pounds (320 kg-cm)													

NOTES: [1]Models listed are stud cathode (forward polarity) types. Order 1N32__R for stud anode (reverse polarity) types. Ratings and specifications are for frequencies from 50 up to 400 cycles/second, except where noted differently.
[2]Rating assumes a rectifier diode heat sink dissipation of 2.0°C/watt, or less.
[3]Rating assumes a rectifier diode heat sink dissipation of 1.0°C/watt, or less.
[4]Use of a silicone grease between the rectifier base and heat sink is recommended.

*Indicates JEDEC Registration Parameters.

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.