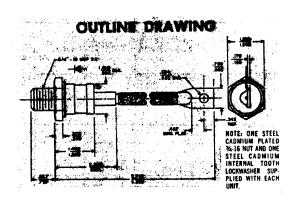
20 STERN AVE. SPRINGFIELD, NEW JERSEY 07081 U.S.A. Cilican

Silicon Rectifier s

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



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RATINGS AND SPECIFICATIONS:(1)

1N3260 1N3261 1N3262 1N3263 1N3264 1N3265 1N3266 1N3267 1N3268 1N3269 1N3270 1N3271 1N3272 1N3273 *Maximum Allowable Repetitive Peak Reverse Voltage, $V_{\rm RRM}(\text{rep})^{(2)}$ 50 100 150 200 250 300 350 400 500 600 700 800 900 1000 *Maximum Allowable DC Blocking Voltage, VR(3) 80 120 160 200 240 280 480 560 640 720 800 *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 singlephase basis, non-repetitive) - 2000 amperes -Minimum I't Rating (non-repetitive) — 8,250 amperes² seconds (see Chart 7) — *Maximum Peak Forward Voltage Drop, V_{FM} ($I_T = 160$ amps DC, Tc=125°C) - 1.6 volts -*Maximum Full Load Reverse Current, IR(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, Tstg - 65°C to +175°C -*Operating Temperature, T_J - 55°C to +190°C -Stud Torque (*)—Maximum 325 inch-pounds (375 kg-cm)

NOTES: "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.
- Rating assumes a rectifier diode heat sink dissipation of 1.0°C/watt, or less.
- "Use of a silicone grease

between the rectifier base and heat sink is recommended.

- 275 inch-pounds (320 kg-cm) -

*Indicates JEDEC Registration Parameters.

-Minimum

