



Cathode to Stud Shown
(Anode to Stud add Suffix R)

Symbol



Cathode to Stud Symbol

| MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise) | | | | | | | | | | | | |
|--|--------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| Parameter | Symbol | 1N3288 | 1N3289 | 1N3290 | 1N3291 | 1N3292 | 1N3293 | 1N3294 | 1N3295 | 1N3296 | 1N3297 | Unit |
| Repetitive Peak Reverse Voltage | V _{RRM} | 100 | 200 | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1400 | Volt |
| Maximum Average On-State Current | I _{F(AV)} | 100 | | | | | | | | | | Amp |
| Peak Forward Surge Current | I _{FSM} | 1600 | | | | | | | | | | Amp |
| Maximum I ² T for Fusing | I ² T | 10700 | | | | | | | | | | A ² /S |
| Maximum Storage Temperature Range | T _(STG) | -65 to +200 | | | | | | | | | | °C |
| Maximum Junction Temperature Range | T _j | -65 to +200 | | | | | | | | | | °C |

| ELECTRICAL CHARACTERISTICS at T _j = 25 °C Maximum. Unless stated Otherwise | | | | Value | | | Unit |
|---|-----------------------|--|-----|-------|------|------|------|
| Parameter | Symbol | Condition | Min | Typ | Max | | |
| Maximum Forward Voltage | V _{FM} | I _{FM} = 200 Amps | | 1.2 | | Volt | |
| Repetitive Peak Off- State Current (1) | I _{DRM(1)} | V _R = V _{RRM} | | 20.0 | | µA | |
| Repetitive Peak Off- State Current (2) | I _{DRM(2)} | V _R = V _{RRM} , T _j = 150°C | | | 5 | mA | |
| Operating Frequency | f _(MAX) | | | | 7.5 | KHz | |
| Thermal Resistance (Junction to Case) | R _{TH (J-C)} | | | | 0.40 | °C/W | |
| Mounting Torque | M _T | | | | 11.3 | NM | |
| Weight | Wt | | | | 78 | grms | |

