

New Jersey Semi-Conductor Products, Inc.

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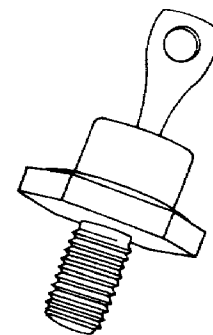
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1N2154-60,R

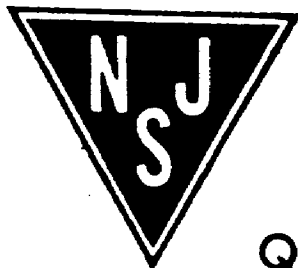
Silicon Rectifiers Medium Current Junction Rectifier

electrical ratings and specifications (60 cps, Resistive or Inductive Load)

	1N2154 1N2154R	1N2155 1N2155R	1N2156 1N2156R	1N2157 1N2157R	1N2158 1N2158R	1N2159 1N2159R	1N2160 1N2160R
Max. Allow. Transient Peak Reverse Voltage (Non-Recurrent 5 millisecc. max. duration)	100	200	350	450	600	700	800 volts
Max. Allow. Peak Reverse Voltage (Repetitive)	50	100	200	300	400	500	600 volts
Max. Allow. RMS Voltage	35	70	140	210	280	350	420 volts
Max. Allow. DC Blocking Voltage**	50	100	200	300	400	500	600 volts
Max. Allow. Forward Current (Single Phase — 145°C stud temp.)	←————— 25 amperes —————→						
Max. Allow. Peak One-Cycle Surge Current	←————— 400 amperes —————→						
I ² t Ratings (for fusing) (for t = .0008 < t < .0083 seconds)	←————— 250 ampere ² sec. —————→						
Max. Full Load Voltage Drop (Full Cycle Average — 145°C stud temp.)	←————— 0.60 volts —————→						
Max. Leakage Current at Full Load (Full Cycle Average, Single Phase 145°C stud temp.)	5	4.5	4	3.5	3	2.5	2 ma
Max. Thermal Resistance (junction to stud)	←————— 1.5°C/watt —————→						
Junction Operating and Storage Temperature Range	←————— -65°C to +200°C —————→						



*Maximum voltages apply with a heat sink thermal resistance of 12°C/watt or less at maximum rated junction temperature.
 **Maximum voltages apply with a heat sink thermal resistance of 5°C/watt or less at maximum rated junction temperature.
 ***For RMS surge current ratings in sub-cycle region (less than one cycle) as a function of t, see Curve IX.



Quality Semi-Conductors