NTE6240 & NTE6244
Silicon Rectifier
Super Fast, Dual, Center Tap

Features:

- Dual Rectifier Construction:
  NTE6240– Positive Center–Tap
  NTE6244– Negative Center–Tap
- Superfast Recovery Times, High Voltage
- Low Power Loss, High Efficiency
- Low Forward Voltage, High Current Capability
- High Temperature Soldering Guaranteed: +250°C @ .250” (6.35mm) from Case for 10sec

Applications:

- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications

Maximum Ratings and Electrical Characteristics: (T_A = +25°C, resistive or inductive load, for capacitive load, derate current by 20%, unless otherwise specified)

Maximum Recurrent Peak Reverse Voltage, V_{RRM} 200V

Maximum RMS Voltage, V_{RMS} 140V

Maximum DC Blocking Voltage, V_{DC} 200V

Maximum Average Forward Rectified Current (.375 (9.5) Lead Lengths at +100°C), $I_{(AV)}$ 16A

Peak Forward Surge Current, I_{FSM}

8.3ms single half sine–wave superimposed on rated load 100A

Maximum Instantaneous Forward Voltage (Per Diode, I_O = 8A), V_F 975mV

Maximum DC Reverse Current (V_{DC} = 200V), I_R

T_A = +25°C 5µA

T_A = +100°C 50µA

Maximum Reverse Recovery Time (T_J = +25°C, Note 1), t_{rr} 35ns

Typical Thermal Resistance, Junction–to–Case, R_{thJC} . . . . . 5.5°C/W

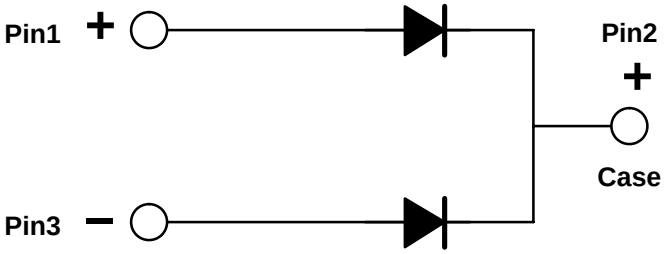
Operating Junction Temperature Range, T_J . . . . . –65° to +150°C

Storage Temperature Range, T_{stg} . . . . . –65° to +150°C

Note 1. Reverse Recovery Test Conditions: I_F = 5A, I_R = 1A, I_{RR} = 25A

Note 2. Measured at 1MHz and applied reverse voltage of 4V.

NTE6240



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