GLASS PASSIVATED HIGH EFFICIENCY RECTIFIERS

Reverse Voltage – 50 to 1000 Volts Forward Current – 8.0 Amperes

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0 utilizing Flame Retardant Epoxy Molding Compound
- Low power loss, high efficiency
- Low forward voltage, high current capability
- High surge capacity
- Ultra Fast recovery times, high voltage

Mechanical Data

- Case: Molded plastic TO-220A
- Mounting position: Any
- Terminals: Leads solderable per MIL-STD-202, method 208 guaranteed
- Polarity: as marked

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single-phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

R Units 00 V 00 V 00 V 00 V
0 V 00 V
00 V
Δ
А
V
uA uA
pF
nS
°C/W
°C
°C

Note: 1. Measured at 1 MHz and applied reverse voltage of 4.0 Volts D.C.

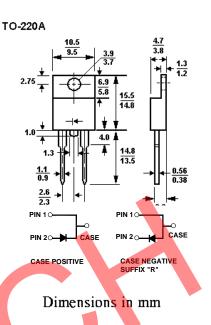
2. Reverse recovery test conditions: $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

3. Thermal Resistance from junction to case mounted on heat sink.





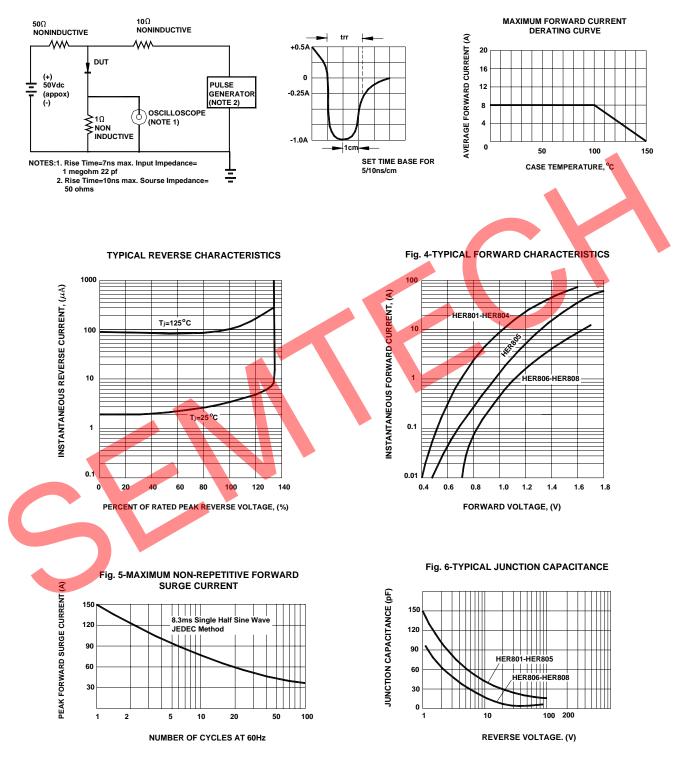




Dated : 24/09/2003

RATINGS AND CHARACTERISTIC CURVES

REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM







Dated : 24/09/2003