

**ITO-220AC**

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- Technical drawing of a 2-pin connector. The drawing shows a side view of the connector with dimensions in inches and millimeters. The dimensions are as follows:
- Overall width: .185(4.7) / .173(4.4)
  - Pin 1 diameter: .124(3.16) / .118(3.00)
  - Pin 2 diameter: .110(2.8) / .098(2.5)
  - Pin 2 diameter (bottom): .030(0.76) / .020(0.50)
  - Pin 1 diameter (bottom): .055(1.4) / .043(1.1)
  - Pin 2 diameter (bottom): .035(0.9) / .020(0.5)
  - Pin 1 diameter (bottom): .063(1.6) MAX
  - Pin 2 diameter (bottom): .071(1.8) MAX
  - Pin 1 diameter (bottom): .161(4.1) / .146(3.7)
  - Pin 2 diameter (bottom): .100(2.55)
  - Pin 2 diameter (bottom): .100(2.55)
  - Pin 1 diameter (bottom): .112(2.85) / .100(2.55)
  - Pin 2 diameter (bottom): .543(13.8) / .512(13.2)
  - Pin 1 diameter (bottom): .406(10.3) / .390(9.90)
  - Pin 2 diameter (bottom): .134(3.4) DIA / .113(3.0) DIA
  - Pin 1 diameter (bottom): .272(6.9) / .248(6.3)
  - Pin 2 diameter (bottom): .606(15.5) / .583(14.8)
- Case Positive

**Dimensions in inches and (millimeters)**

- ## Maximum Rating and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

[illegible]

Notes: 1. Reverse Recovery Test Conditions:  $I_F=0.5A$ ,  $I_R=1.0A$ ,  $I_{RR}=0.25A$

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

3. Mounted on Heatsink Size of 2 in x 3 in x 0.25 in Al-Plate.

## RATINGS AND CHARACTERISTIC CURVES (HERAF801G THRU HERAF808G)

FIG. 1- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

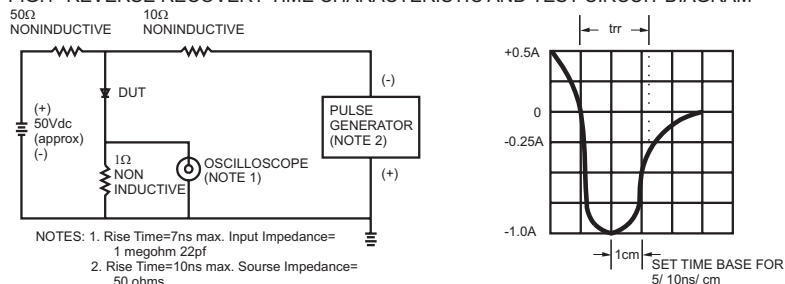


FIG. 2- MAXIMUM FORWARD CURRENT DERATING CURVE

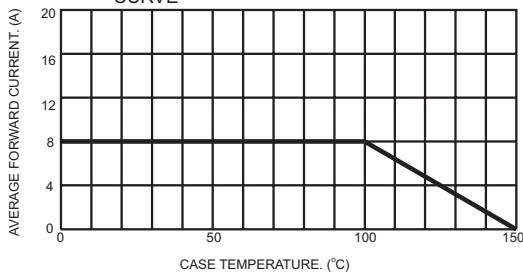


FIG. 3- TYPICAL REVERSE CHARACTERISTICS

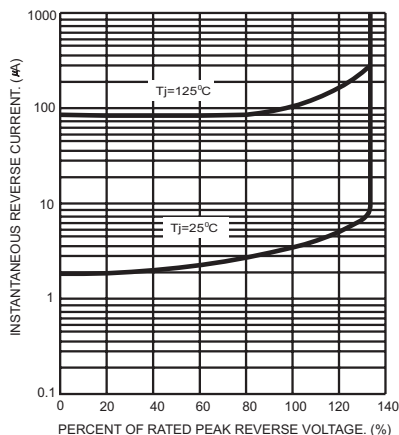


FIG. 4- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

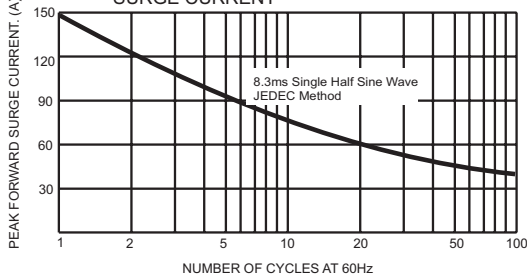


FIG. 6- TYPICAL FORWARD CHARACTERISTICS

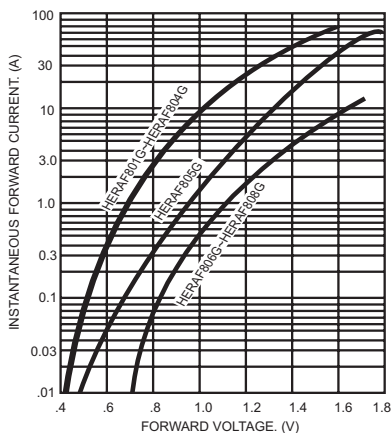


FIG. 5- TYPICAL JUNCTION CAPACITANCE

