

rectifier diodes

| Types | I_O (A) | V_{RRM} (V) | I_{FSM} 10 ms (A) | $V_{(BR)R}$ @ $I_R = 100 \mu A$ (V) min max | P_{RSM} 10 μs (kW) | V_F / I_F (V) (A) max | $I_{g \max}$ @ V_{RRM} (mA) | T_{amb} (°C) |
|-------|--------------|------------------|---------------------------|--|---------------------------------|-------------------------------|-------------------------------------|-------------------|
|-------|--------------|------------------|---------------------------|--|---------------------------------|-------------------------------|-------------------------------------|-------------------|

2 A / $T_{amb} = 25^\circ C$ $T_j = 175^\circ C$

| Types | I_O | V_{RRM} | I_{FSM} | $I_R = 50 \mu A$ | P_{RSM} | V_F / I_F | $I_{g \max}$ | T_{amb} |
|---------|-------|-----------|-----------|------------------|-----------|-------------|--------------|-----------|
| 1N 3938 | | 200 | | 240 | 7 | | | |
| 1N 3939 | | 400 | | 480 | 6 | | | |
| 1N 3940 | 2 | 600 | 70 | 720 | 4 | 1,1 | 2 | 0,5 |
| 1N 3941 | | 800 | | 960 | 3 | | | |
| 1N 3942 | | 1000 | | 1160 | 1,5 | | | |

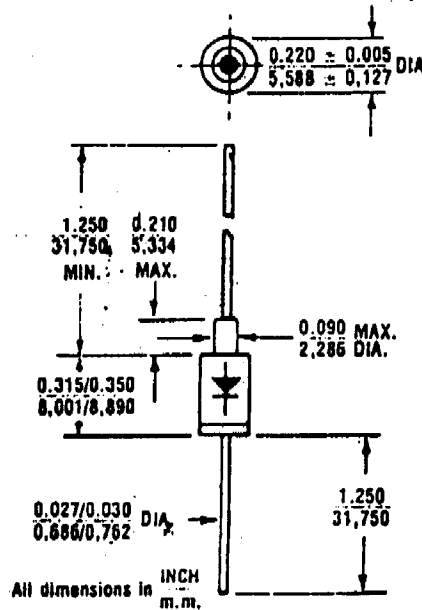


FIGURE 1

MECHANICAL CHARACTERISTICS

CASE: DO-18, welded, hermetically sealed metal and glass.

FINISH: All external surfaces are corrosion resistant and leads solderable.

THERMAL RESISTANCE: 100° C/W (Typical) junction to ambient

POLARITY: Cathode connected case.

WEIGHT: 1.4 grams.

MOUNTING POSITION: Any.



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