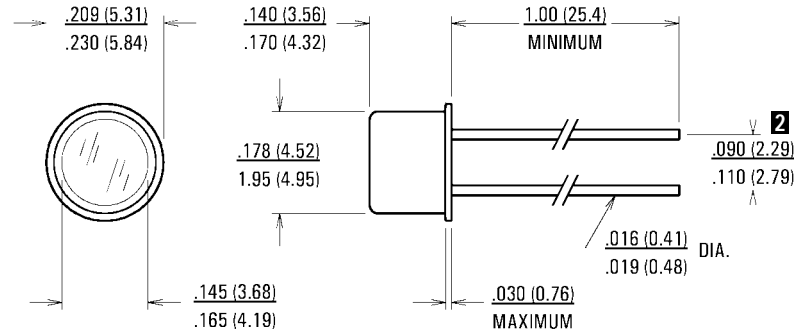




### PACKAGE DIMENSIONS inch (mm)



### ABSOLUTE MAXIMUM RATINGS

| Parameter   | Symbol                           | Rating     | Units       |
|---|----------------------------------|------------|-------------|
| Continuous Power Dissipation<br>Derate Above 25°C | $P_D$<br>$\Delta P_D / \Delta T$ | 50<br>1.0  | mW<br>mW/°C |
| Temperature Range<br>Operating and Storage        | $T_A$                            | -40 to +75 | °C          |

### ELECTRO-OPTICAL CHARACTERISTICS @ 25°C (16 hrs. light adapt, min.)

| Part Number | Resistance (Ohms) <b>3 6</b> |       |       |                |       |      | Material Type | Sensitivity ( $\gamma$ , typ.)<br><br>$\frac{\text{LOG}(R_{10}/R_{100})}{\text{LOG}(100/10)}$ | Maximum Voltage (V, pk) | Response Time @ 1 fc (ms, typ.) |            |
|-------------|------------------------------|-------|-------|----------------|-------|------|---------------|---|-------------------------|---------------------------------|------------|
|             | 10 lux<br>2850 K             |       |       | 2 fc<br>2850 K | Dark  |      |               |   |                         | Rise (1-1/e)                    | Fall (1/e) |
|             | Min.                         | Typ.  | Max.  | Typ.           | Min.  | sec. |               |   |                         |                                 |            |
| VT2ØN1      | 8 k                          | 16 k  | 24 k  | 8 k            | 200 k | 5    | Ø             | 0.80  | 100                     | 78                              | 8          |
| VT2ØN2      | 16 k                         | 34 k  | 52 k  | 17 k           | 500 k | 5    | Ø             | 0.80  | 100                     | 78                              | 8          |
| VT2ØN3      | 36 k                         | 72 k  | 108 k | 36 k           | 1 M   | 5    | Ø             | 0.80  | 100                     | 78                              | 8          |
| VT2ØN4      | 76 k                         | 152 k | 230 k | 76 k           | 2 M   | 5    | Ø             | 0.80  | 200                     | 78                              | 8          |
| VT23N1      | 20 k                         | 40 k  | 60 k  | 20 k           | 500 k | 5    | 3             | 0.85  | 100                     | 35                              | 5          |
| VT23N2      | 42 k                         | 86 k  | 130 k | 43 k           | 1 M   | 5    | 3             | 0.85  | 100                     | 35                              | 5          |
| VT23N3      | 90 k                         | 180 k | 270 k | 90 k           | 2 M   | 5    | 3             | 0.85  | 100                     | 35                              | 5          |

See page 13 for notes.

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