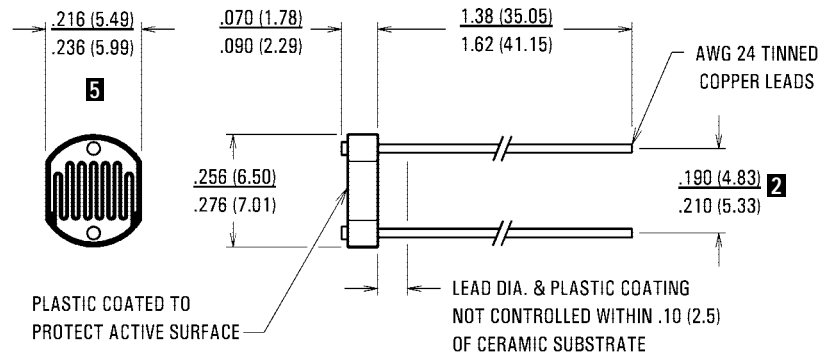


PACKAGE DIMENSIONS inch (mm)



ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Rating | Units |
|---|----------------------------------|------------|-------------|
| Continuous Power Dissipation Derate Above 25°C | P_D $\Delta P_D / \Delta T$ | 175 3.5 | mW mW/°C |
| Temperature Range Operating and Storage | T_A | -40 to +75 | °C |

ELECTRO-OPTICAL CHARACTERISTICS @ 25°C (16 hrs. light adapt, min.) 4

| Part Number | Resistance (Ohms) 3 6 | | | | | | Material Type | Sensitivity (γ , typ.) $\frac{OG(R_{10}/R_{100})}{LOG(100/10)}$ | Maximum Voltage (V, pk) | Response Time @ 1 fc (ms, typ.) | |
|-------------|-----------------------|-------|-------|----------------|-------|------|---------------|--|-------------------------|---------------------------------|------------|
| | 10 lux 2850 K | | | 2 fc 2850 K | Dark | | | | | Rise (1-1/e) | Fall (1/e) |
| | Min. | Typ. | Max. | Typ. | Min. | sec. | | | | | |
| VT80N1 | 4 k | 8 k | 12 k | 4 k | 100 k | 5 | Ø | 0.80 | 100 | 78 | 8 |
| VT80N2 | 8 k | 16 k | 24 k | 8 k | 500 k | 5 | Ø | 0.80 | 200 | 78 | 8 |
| VT83N1 | 6 k | 12 k | 18 k | 6 k | 100 k | 5 | 3 | 0.95 | 100 | 35 | 5 |
| VT83N2 | 12 k | 28 k | 36 k | 14 k | 500 k | 5 | 3 | 0.95 | 200 | 35 | 5 |
| VT83N3 | 24 k | 48 k | 72 k | 24 k | 1 M | 5 | 3 | 0.95 | 200 | 35 | 5 |
| VT83N4 | 50 k | 100 k | 150 k | 50 k | 2 M | 5 | 3 | 0.95 | 200 | 35 | 5 |

See page 13 for notes.