

LED INDICATOR BI-COLOR REAR-MOUNT



Model ML1634

Designed for use as function indicators on aircraft, test equipment, machine tools and wherever severe environmental conditions need to be met, especially vibration and EMI.

FEATURES

- Multiple status indication within a single package
- Performs in severe environments
- Colors: red/green, yellow/green
- Rugged construction
- Panel mounted
- Optional EMI screen
- Decorative bezel

MECHANICAL SPECIFICATIONS

Case: Aluminum, black anodized, standard. Clear chromate case with EMI screen option.

Mounting: Rear-mount by 5/16"-32 nut and lockwasher

Seal: Environmentally sealed. Added front panel fluorosilicone O-ring.

Panel Thickness: 0.118" max.



Standard Case

ENVIRONMENTAL SPECIFICATIONS

Vibration: .06" D.A. or 20 Gs Peak, whichever is less, 10Hz to 2kHz, MIL STD 202, Method 204, Test Condition D

Shock: 100 Gs MIL STD 202, Method 213, Test Condition I

Moisture Resistance (Humidity): MIL STD 202, Method 106

Barometric Pressure (Reduced): 100,000 ft., MIL STD 202, Method 105, Test Condition D

Reliability: 3 x 10⁶ hours min. MTBF @ 25°C

Salt Atmosphere (Corrosion): MIL STD 202, Method 101, Test Condition B

ELECTRO-OPTICAL CHARACTERISTIC SPECIFICATIONS

| Absolute Maximum Ratings @Temp = 25°C | | | | | | |
|--|---------------------|-----|----------------|------------|-------------------------|------|
| Color | Red / Green | | Yellow / Green | | Super Red / Super Green | |
| Forward Voltage (VDC) typical @ 20 mA | 1.9 | 2.2 | 2.1 | 2.2 | 1.85 | 2.2 |
| DC Forward Current (mA) | 30 | 25 | 30 | 25 | 30 | 25 |
| Power Dissipation (mW) ① | 105 | 105 | 105 | 105 | 75 | 62.5 |
| Luminous Intensity (mcd) typical @ I _F = 20 mA DC | 30 | 20 | 20 | 20 | 100 | 30 |
| Dominant Wave Length (nm) typical | 640 | 568 | 588 | 568 | 640 | 568 |
| Viewing Angle (2 Ø ^{1/2}) typical | 60° | | | | | |
| Operating Temperature (°C) | -40 to +85 | | | | | |
| Storage Temperature (°C) | -55 to +100 | | | -40 to +85 | | |
| Lead Soldering Temperature | 260°C for 5 seconds | | | | | |
| Notes: ① Derate linearly from 25°C at -1.2 mW/°C | | | | | | |

This page consists of basic marketing information that is not defined as technical data under FAR Part 772.

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ORDERING INFORMATION

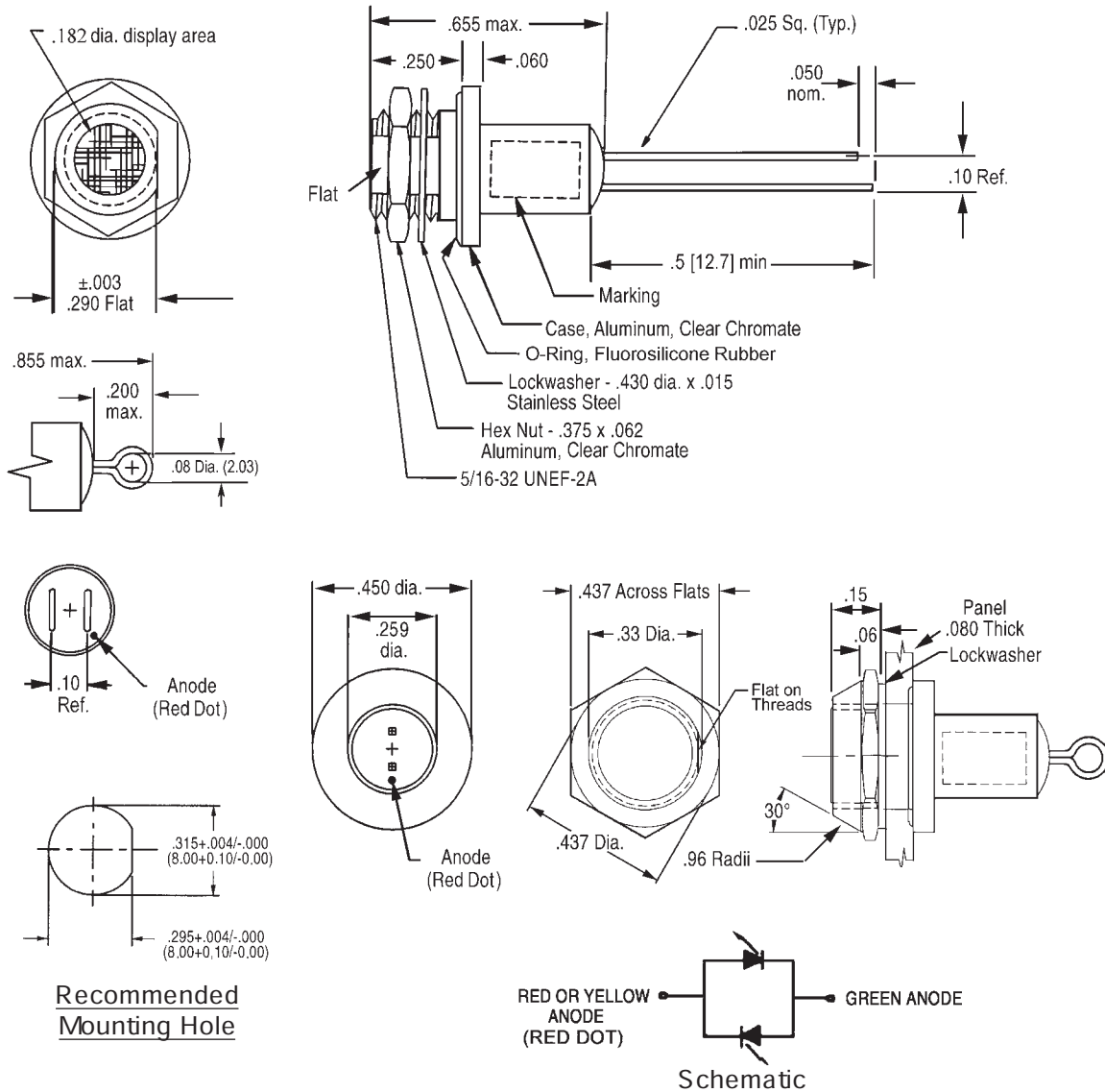
When ordering, show basic part number first, then EMI screen, LED color, lens type, and terminal style. If this is a special part, a factory assigned modification number will be added at the end of the ordering number. Consult the factory for special configurations.

Example: Basic model with an EMI screen, with a red/green LED, a diffused lens, and straight terminals would be an ML1634E-R/G-D-ST.

ML1634E - R/G - D - ST - ()

Standard factory options are designated by "-Sxxx"

| Basic Model Number | EMI Screen | LED Color | Lens Type | Terminal Style |
|--------------------|------------|------------------|------------|-------------------|
| ML1634 | () None | R/G Red/Green | D Diffused | ST Straight Leads |
| | E Screen | Y/G Yellow/Green | | LT Loop Terminals |
| | | SR/SG Red/Green | | |



ML1634

NOTE: Dimensions in () are mm. Tolerances: Decimals: ± .010 (0.25)
Fractions: ± 1/64 Mounting Torque: 5-7 in. lbs.

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