

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.



ML1634

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						

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ORDERING INFORMATION

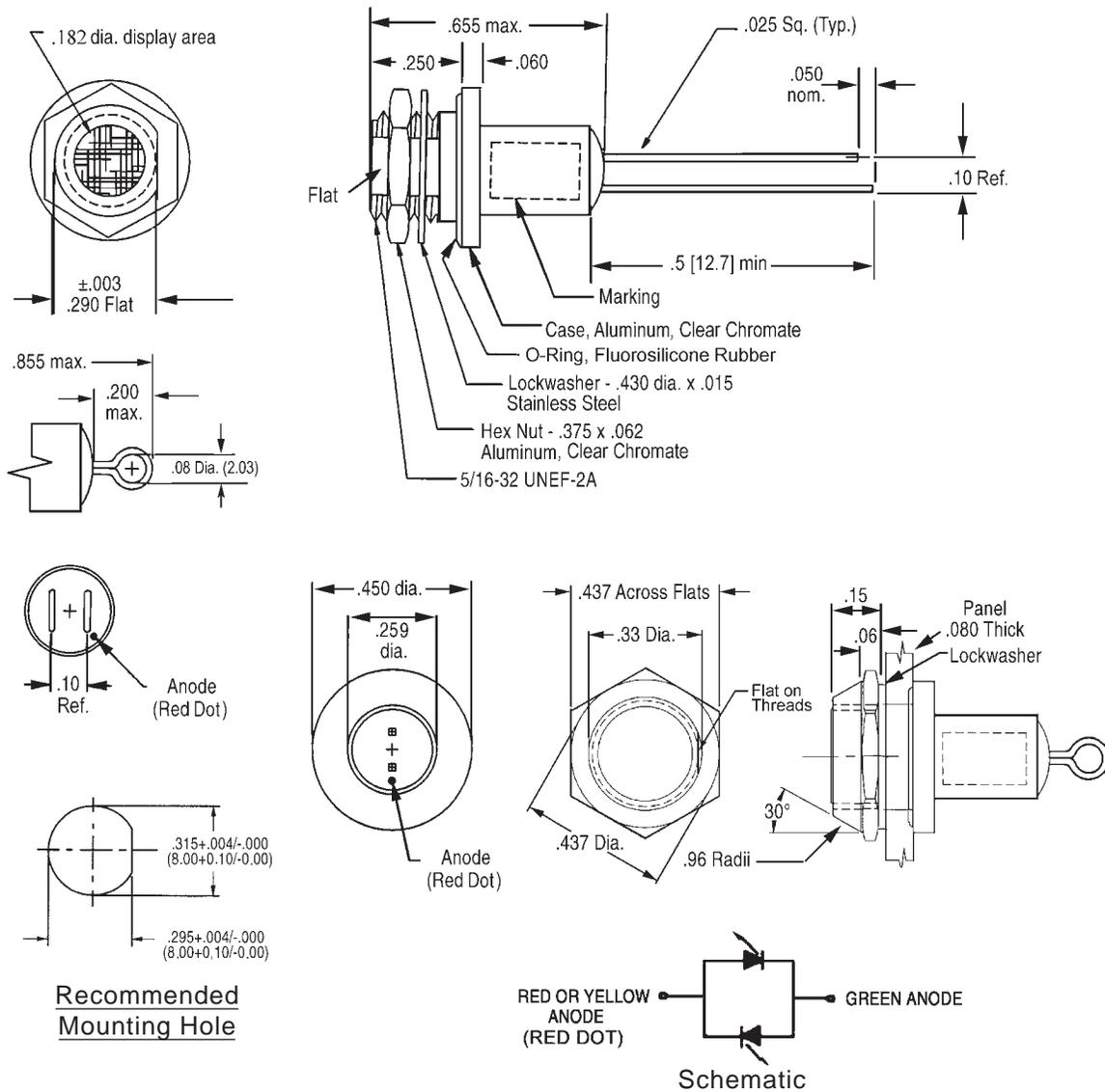
When ordering, show basic part number first, then EMI screen, LED color, lens type, and terminal style. If this is a special part, a factory assigned modification number will be added at the end of the ordering number. Consult the factory for special configurations.

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		



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

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