

Products

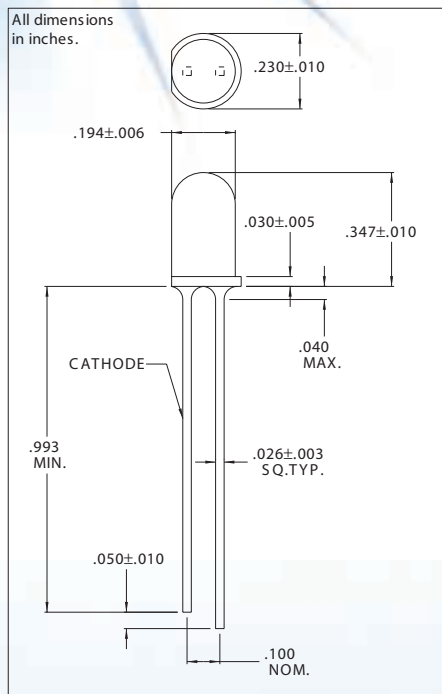
LEDs

CML IT is a world leader in the manufacturing of LEDs and LED assemblies. CML offers a wide variety of products utilizing LEDs as a light source. Our line of discrete LEDs consists of both through hole and SMT products in all of the standard industry sizes including 3mm, 5mm, 0603, 0805, 1206, PLCC and any others. All CML-IT LEDs are available off-the-shelf in a wide variety of colors and intensities. Binning for through LEDs is one competitive service of CML Innovative Technologies, please contact us.

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|  | <p> Part Number: 4302H5-12V Serial Number: 4302H LED Type: THRU HOLE Industry Size: T-1 3/4 Metric Size: 5.0 mm Output Color: GREEN Epoxy: GREEN DIFFUSED Peak Wave length (nm): 565 Minimum MCD: 2.0 Typical MCD: 8.0 Forward Volt (Typical): 12.0 Forward Volt (Max): 15.0 Rate Current (mA): 12 Viewing Angle (°): 60 Operating Temperature: -0.235294118 Storage Temperature: -0.55 Power Dissipation: Cont Forward Current Max: 20 RoHS Status: Yes </p> |
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4302H-5V, 12V Series Integrated Resistor-5 Volt and 12 Volt Operation T-1 3/4 (5mm)

DESCRIPTION AND FEATURES



- Integral current limiting resistor.
- TLL compatible-requires no external current limiting resistor, will operate off 5 volt or 12 volt supply.
- Cost effective-saves valuable board space, resistor and assembly cost.

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

| PART NUMBER | 4302H1-5V | 4302H3-5V | 4302H5-5V | 4302H1-12V | 4302H3-12V | 4302H5-12V |
|--------------------------------------|-----------|-----------|-----------|------------|------------|------------|
| Output Color | Red | Amber | Green | Red | Amber | Green |
| Diffusion | Diffused | Diffused | Diffused | Diffused | Diffused | Diffused |
| Package Color | Red | Amber | Green | Red | Amber | Green |
| Rated Current (mA) | 10 | 10 | 12 | 13 | 13 | 13 |
| Forward Voltage Typ. (V) | 5 | 5 | 5 | 12 | 12 | 12 |
| Forward Voltage Max. (V) | 7.5 | 7.5 | 7.5 | 15 | 15 | 15 |
| Luminous Intensity Min. (mcd) | 2 | 2 | 2 | 2 | 2 | 2 |
| Luminous Intensity Typ. (mcd) | 8 | 8 | 8 | 8 | 8 | 8 |
| Luminous Intensity Max. (mcd) | - | - | - | - | - | - |
| Peak Wavelength (nm) | 635 | 583 | 565 | 635 | 583 | 565 |
| Viewing Angle 20 1/2 (degrees) | 60 | 60 | 60 | 60 | 60 | 60 |
| Continuous Forward Current Max. (mA) | 15 | 15 | 15 | 20 | 20 | 20 |
| Reverse Breakdown Voltage Min. (V) | 5 | 5 | 5 | 5 | 5 | 5 |