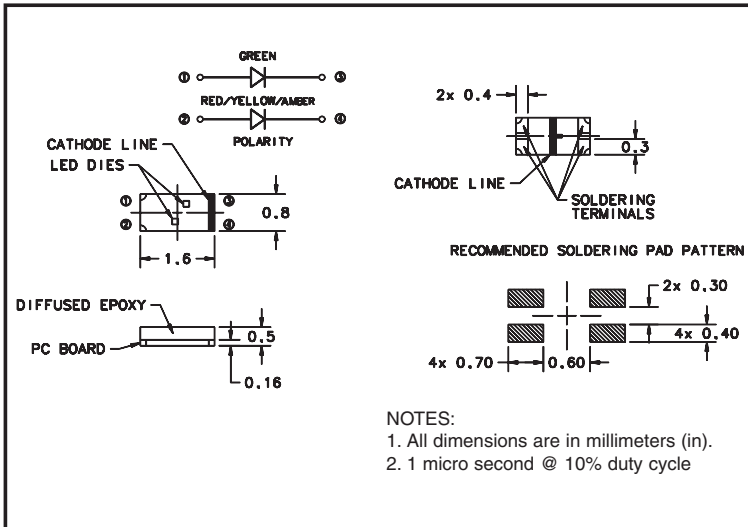


## CMDA20 Series 0603 Package Size Bicolor Surface Mount LED

### Description and Features



#### Features

- Small 1.6 x 0.8 mm Footprint
- Diffused optics
- Ideal for use with Light Pipes
- Compatible with IR solder profiles
- Available in 8 mm tape on 7" diameter reels
- Packaged 4,000 pieces per reel
- RoHS Compliant

#### Applications

- Keypad backlighting
- Symbol backlighting
- LCD backlighting
- Status indication
- Front panel indicator

## Electro-Optical Characteristics and Ratings

| Part Number    | Output Color | Diffusion | Package Color | Test Current (mA) | Forward Voltage Typ. (V) | Forward Voltage Max. Typ. (V) | Luminous Intensity Min. (mcd) | Luminous Intensity Typ. (mcd) | Peak Wavelength (nm) | Viewing Angle (Degrees) |
|----------------|--------------|-----------|---------------|-------------------|--------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|-------------------------|
| CMDA20AYAA7D1S | Green/Amber  | Diffused  | White         | 20                | 2.2/2.2                  | 2.6/2.6                       | 4/2.5                         | 15/8                          | 570/605              | 120                     |
| CMDA20AYCY7D1S | Green/Yellow | Diffused  | White         | 20                | 2.2/2.1                  | 2.6/2.6                       | 4/2.5                         | 15/8                          | 570/589              | 120                     |
| CMDA20AYBR7D1S | Green/HE Red | Diffused  | White         | 20                | 2.2/2.1                  | 2.6/2.6                       | 4/2.5                         | 15/8                          | 570/630              | 120                     |

## Absolute Maximum Ratings to = 25°C

| Part Number | Power Dissipation (mW) | Operating Temperature (°C) | Storage Temperature (°C) | Peak Forward Current Max. (See note 2) (mA) | Reverse Voltage (IR = 100 mA) (V) | Lead Solder Time at 230°C (Seconds) |
|-------------|------------------------|----------------------------|--------------------------|---|-----------------------------------|-------------------------------------|
| AYAA        | 52                     | -30 to +85                 | -40 to +85               | 100   | 5                                 | 10                                  |
| AYCY        | 52                     | -30 to +85                 | -40 to +85               | 100   | 5                                 | 10                                  |
| AYBR        | 52                     | -30 to +85                 | -40 to +85               | 100   | 5                                 | 10                                  |

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