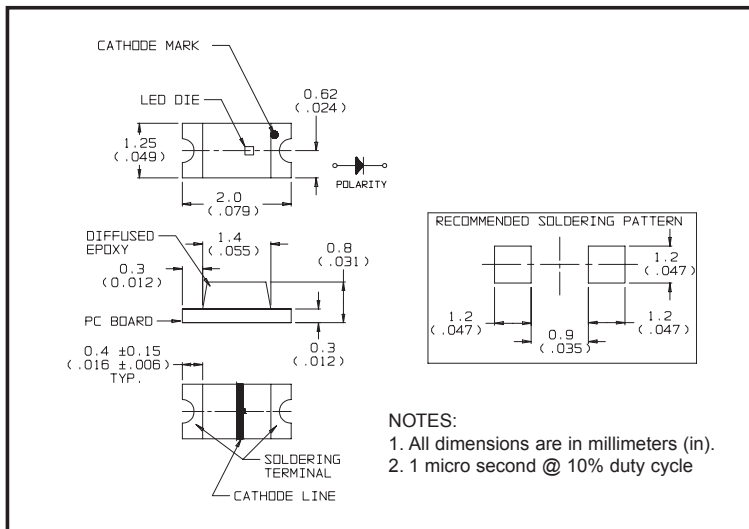


CMDA5 Series HIGH BRIGHTNESS 0805 Package Size Surface Mount LED Description and Features



Features

- High brightness
- Small size
- Industrial standard 0805 Footprint
- Diffused optics
- Top emitting
- Compatible with IR solder profiles
- Ideal for use with Light Pipes
- Available in 8 mm tape on 7" diameter reel
- Packaged 4,000 pieces per reel
- RoHS Compliant

Applications

- LCD backlighting
- Push button backlighting
- Front panel indicator
- Symbol indicator
- Microdisplays
- Small message panel signage

CAUTION: CMDA5AG is Class 1 ESD sensitive per MIL-STD-1686. Please observe appropriate precautions during handling and processing.

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) |
|-------------|--------------|-----------|---------------|-------------------|--------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|-------------------------|
| CMDA5AG7D1S | Green | Diffused | Clear | 20 | 3.4 | 3.9 | 40 | 145 | 520 | 140 |
| CMDA5AR7D1S | Red | Diffused | Clear | 20 | 1.9 | 2.4 | 25 | 90 | 637 | 170 |
| CMDA5DY7D1S | Amber | Diffused | Clear | 20 | 1.9 | 2.4 | 25 | 90 | 595 | 170 |

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) |
|-------------|------------------------|----------------------------|--------------------------|---------------------------------------------|-----------------------------------|-------------------------------------|
| AG | 98 | -30 to +85 | -40 to +85 | 50 | 5 | 10 |
| AR | 75 | -30 to +85 | -40 to +85 | 100 | 5 | 10 |
| DY | 75 | -30 to +85 | -40 to +85 | 100 | 5 | 10 |