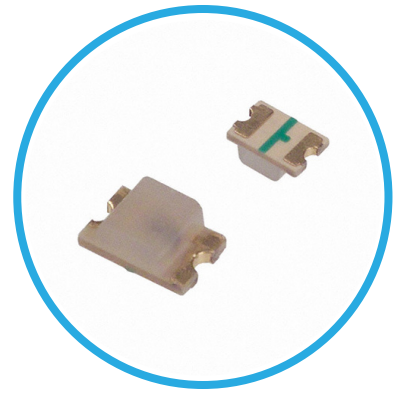


CMDA5 Series

0805 Package Size

Surface Mount LED



High brightness SMD LED with standard light output and a diffused optics. Available in multiple single color options and a 170 degree viewing angle.

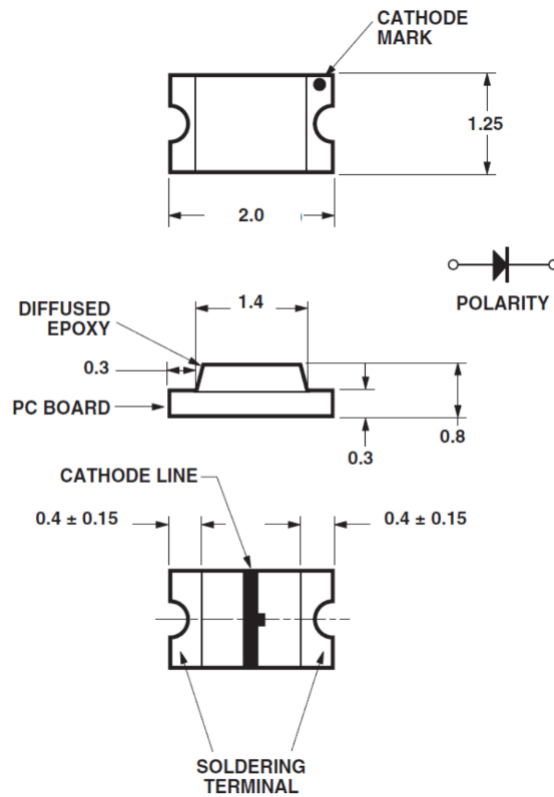
Application

- LCD Backlighting
- Push Button Backlighting
- Front Panel Indicator
- Symbol Indicator
- Microdisplays
- Small Message Panel Signage

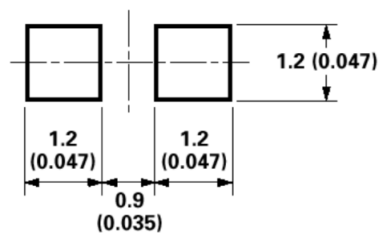
Key Features

- Colors available: red and amber
- Viewing angle: 170°
- High brightness
- Small package 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 and REACH Compliant

Product Dimensions



Recommended Soldering Pattern



Notes:

1. All dimensions are in mm (in)
2. 1 micro second @ 10% duty cycle
3. Tolerance is ± 0.10 mm unless otherwise specified.

Product Specifications

Electrical / Optical Characteristics and Curves at Ta = 25°C

Part Number	Output Color	Diffusion	Package Color	Test Current (mA)	Luminous Intensity		Forward Voltage		Viewing Angle (degrees)	Peak Wavelength (nm)
					Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
CMDA5DR7D1S	Red	Diffused	Clear	20	7.2	11.2	1.6	2.6	170	660
CMDA5AR7D1S	Red	Diffused	Clear	20	25	90	1.9	2.4	170	637
CMDA5DY7D1S	Amber	Diffused	Clear	20	25	90	1.9	2.4	170	595

Absolute Maximum Ratings Ta = 25°C

Part Number	Power Dissipation (mW)	Operating Temperature (°C)	Storage Temperature (°C)	Peak Forward Current Max. (mA) (See note 2)	Reverse Voltage (IR = 100 mA) (V)	Lead Solder Time at 230°C (Seconds)
DR	65	-40 to +85	-40 to +85	-	5	10
AR	75	-30 to +85	-40 to +85	100	5	10
DY	75	-30 to +85	-40 to +85	100	5	10

Compliances and Approvals



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

VCC:

[CMDA5AR7D1S](#) [CMDA5DR7D1S](#) [CMDA5DY7D1S](#) [CMDA5DY7D1S-100](#) [CMDA5AR7D1S-100](#)