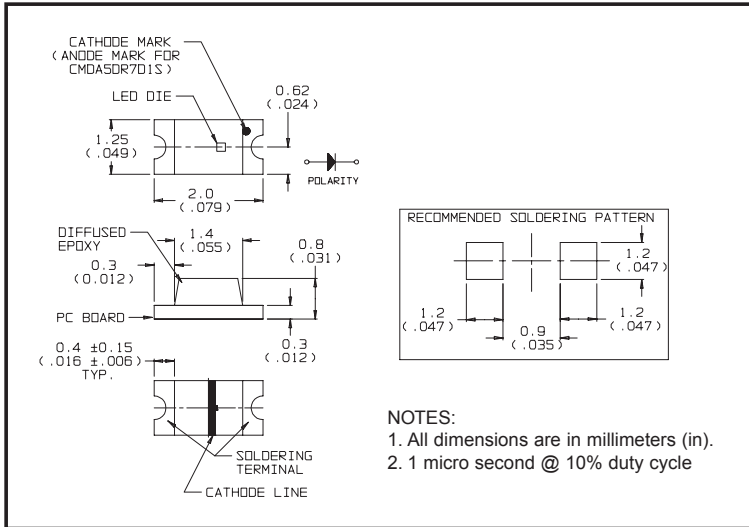




CMDA5 Series 0805 Package Size Surface Mount LED

DESCRIPTION AND FEATURES



Features

- Small size
- Industry standard 0805 Footprint
- Compatible with IR solder profiles
- Diffused optics
- Top emitting
- Ideal for use with Light Pipes
- Available in 8 mm tape on 7" (178 mm) diameter reels
- Packaged 4,000 pieces per reel

Applications

- Keypad backlighting
- Push-button backlighting
- LCD backlighting
- Symbol backlighting
- 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)
CMDA5AY7D1S	Green	Diffused	Clear	20	2.2	2.6	4.0	15	570	170
CMDA5CY7D1S	Yellow	Diffused	Clear	20	2.1	2.6	2.5	8	589	170
CMDA5AA7D1S	Orange	Diffused	Clear	20	2.2	2.6	2.5	8	605	170
CMDA5BR7D1S	HE Red	Diffused	Clear	20	2.1	2.6	2.5	10	630	170
CMDA5DR7D1S	Red	Diffused	Clear	20	1.8	2.6	6.3	17	660	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)
AY	52	-30 to +85	-40 to +85	100	5	10
CY	52	-30 to +85	-40 to +85	100	5	10
AA	52	-30 to +85	-40 to +85	100	5	10
BR	52	-30 to +85	-40 to +85	100	5	10
DR	65	-30 to +85	-40 to +85	100	5	10

The model numbers listed above are standard off the shelf parts. For the user who may have a requirement calling for various color/electrical specifications, a part number can be determined by calling the factory.

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Chicago Miniature Lighting, LLC reserves the right to make specification revisions that enhance the design and/or performance of the product