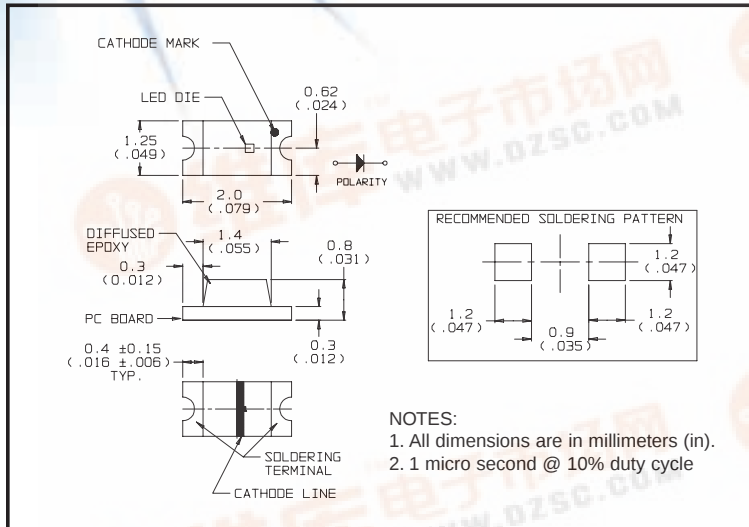




CMDA5 Series HIGH BRIGHTNESS 0805 Package Size Surface Mount LED

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

Applications

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

CAUTION: CMDA5AG and CMDA5CB are 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)
CMDA5BY7D1S	Green	Diffused	Clear	20	2.1	2.6	16	50	570	170
CMDA5CB7D1S	Blue	Diffused	Clear	20	3.4	3.9	16	55	469	140
CMDA5AG7D1S	Green	Diffused	Clear	20	3.4	3.9	40	145	520	140
CMDA5BA7D1S	Orange	Diffused	Clear	20	1.9	2.4	25	90	609	170
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)
BY	52	-30 to +85	-40 to +85	-	5	10
CB	98	-30 to +85	-40 to +85	50	5	10
AG	98	-30 to +85	-40 to +85	50	5	10
BA	75	-30 to +85	-40 to +85	100	5	10
AR	75	-30 to +85	-40 to +85	100	5	10
DY	75	-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.



America:
CML Innovative Technologies, Inc.
147 Central Avenue
Hackensack, NJ 07601 -USA
Tel: 1-201-489-8989
Fax: 1-201-489-6911
e-mail: americas@cml-it.com

Europe:
CML Technologies GmbH & Co. KG
Robert-Bunsen-Str.1
67098 Bad Dürkheim -GERMANY
Tel: +49 (0)6322 9567-0
Fax: +49 (0)6322 9567-88
e-mail: europe@cml-it.com

Asia:
CML Innovative Technologies, Inc.
61 Aida Street
Singapore 459975
Tel: (65) 9630 -5003
e-mail: asia@cml-it.com