

## **PRODUCT CHANGE NOTIFICATION**

PCN Number: 429

Date of Issue: 07/21/2017

PCN Effective Date: 07/21/2017

Last Time Buy Date: N/A

Last Time Ship Date: N/A

Type of Change: DESIGN

Title of Change: Datasheet Update for CMD28-21 Series

Reason of Change: The product datasheet is updated. There are no changes to the actual device, only correction.

Forward Current, Forward Voltage Typ. and Forward Voltage Max. were corrected. Dimension is corrected.

For updated parameters and package dimensions, please refer to the last page of this product change notification. Updated datasheet is available in our website.

Sannah Vinding

Director of Product Development & Marketing: \_\_\_\_\_

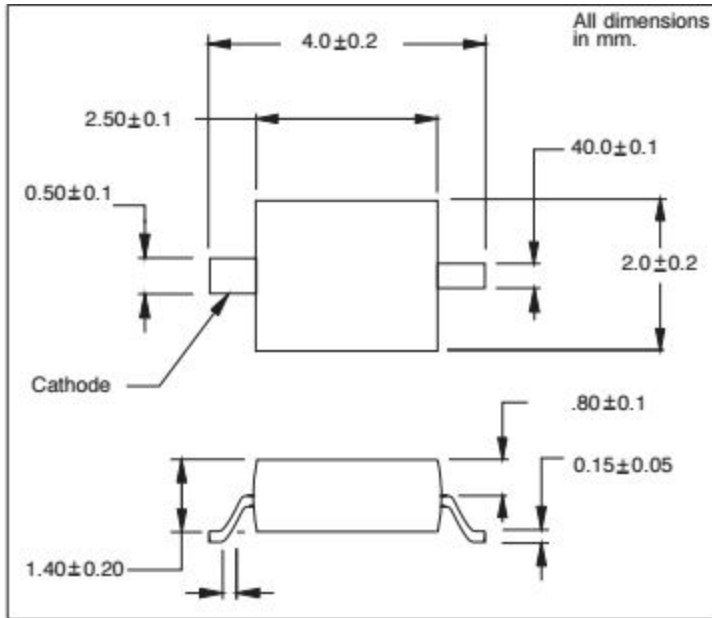


VCC Contact Name: [customerservice@vcclite.com](mailto:customerservice@vcclite.com) Phone Number: (800)5225546

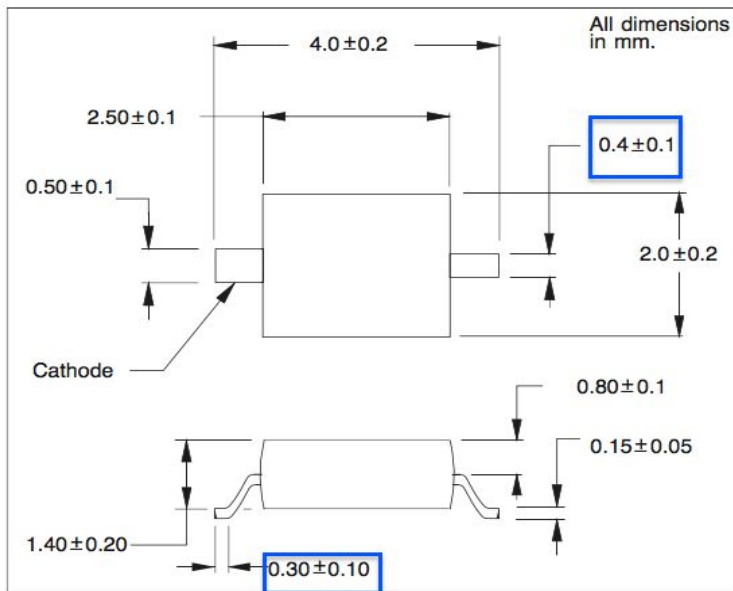
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<b>AFFECTED PART NUMBER</b>		
<b>Part Number</b>	<b>Description</b>	<b>Suggested Alternative Part Number(s)</b>
CMD28-21VGC/TR8	LED SMT Gull Wing Leads 2.1V 5.5mcd Green	-
CMD28-21VRC/TR8	LED SMT Gull Wing Leads 2V 3.5mcd 150deg Red	-
CMD28-21VYC/TR8	LED SMT Gull Wing Leads 2V 6mcd 150deg Yellow	-

Old package dimension



New package dimension



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Old Electro-Optical Characteristics and Ratings:

PART NUMBER	CMD28-21VGC/TR8	CMD28-21VYC/TR8	CMD28-21VRC/TR8
Output Color	Green	Yellow	Red
Package Type	Single	Single	Single
Lens Color	Clear	Clear	Clear
Forward Current (mA)	20	20	20
Forward Voltage Typ.(V)	2.4	2.4	2.4
Forward Voltage Max.(V)	2.8	2.8	2.8
Luminous Intensity Min.(mcd)	1.0	3.5	1.5
Luminous Intensity Typ.(mcd)	5.5	6.0	3.5
Luminous Intensity Max.(mcd)	-	-	-
Peak Wavelength Typ (nm)	570	585	640
Viewing Angle 2 $\theta$ 1/2 (degrees)	150	150	150
Power Dissipation (mW)	100	100	100
Operating Temperature(°C)	-40 to +85	-40 to +85	-40 to +85
Storage Temperature(°C)	-40 to +100	-40 to +100	-40 to +100
Peak Forward Current, mA (Duty 1/10@ 1KHz)	160	160	160
Reverse Voltage	5.0	5.0	5.0
Lead Solder Time@260°C +5°C	5	5	5

New Electro-Optical Characteristics and Ratings:

PART NUMBER	CMD28-21VGC/TR8	CMD28-21VYC/TR8	CMD28-21VRC/TR8
Output Color	Green	Yellow	Red
Package Type	Single	Single	Single
Lens Color	Clear	Clear	Clear
Forward Current (mA)	30	30	30
Forward Voltage Typ.(V)	2.1	2.0	2.0
Forward Voltage Max.(V)	2.4	2.4	2.4
Luminous Intensity Min.(mcd)	1.0	3.5	1.5
Luminous Intensity Typ.(mcd)	5.5	6.0	3.5
Luminous Intensity Max.(mcd)	-	-	-
Peak Wavelength Typ (nm)	570	585	640
Viewing Angle 2 $\theta$ 1/2 (degrees)	150	150	150
Power Dissipation (mW)	100	100	100
Operating Temperature(°C)	-40 to +85	-40 to +85	-40 to +85
Storage Temperature(°C)	-40 to +100	-40 to +100	-40 to +100
Peak Forward Current (Duty 1/10@ 1KHz) (mA)	160	160	160
Reverse Voltage (V)	5.0	5.0	5.0
Lead Solder Time@260°C ±5°C (sec.)	5	5	5