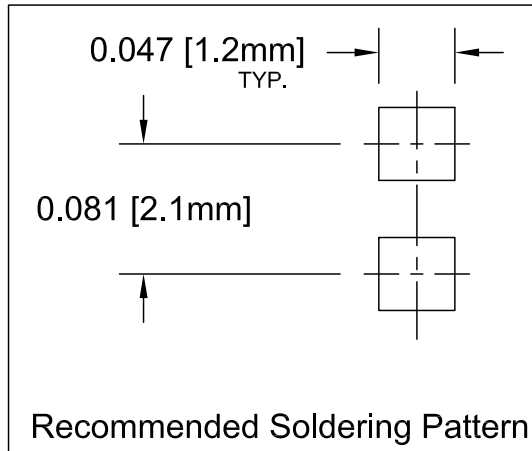
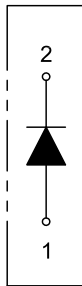
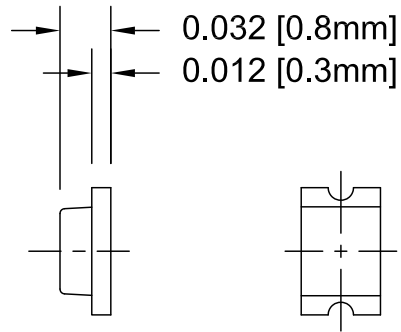
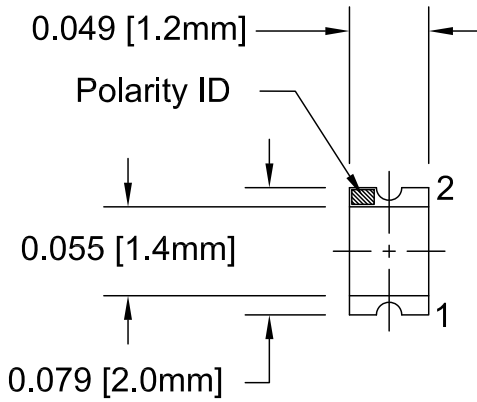


REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	07/20/04	M. C.
B	Added PCS/Reel Table	07/02/08	M. C.
C	Updated Reel Qty	11/25/08	T. Y.



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT	100µA
OPERATING TEMPERATURE RANGE	-20° C - 80° C
STORAGE TEMPERATURE	-20° C - 80° C
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	260° C FOR 5 SECONDS

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)	
DECIMALS	ANGULAR
.X ±.1	X° ±1°
.XX ±.02	
.XXX ±.010	

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DESIGNED: Shane Irving	DATE: 03/01/01
CHECKED: D. Green	DATE: 07/20/04

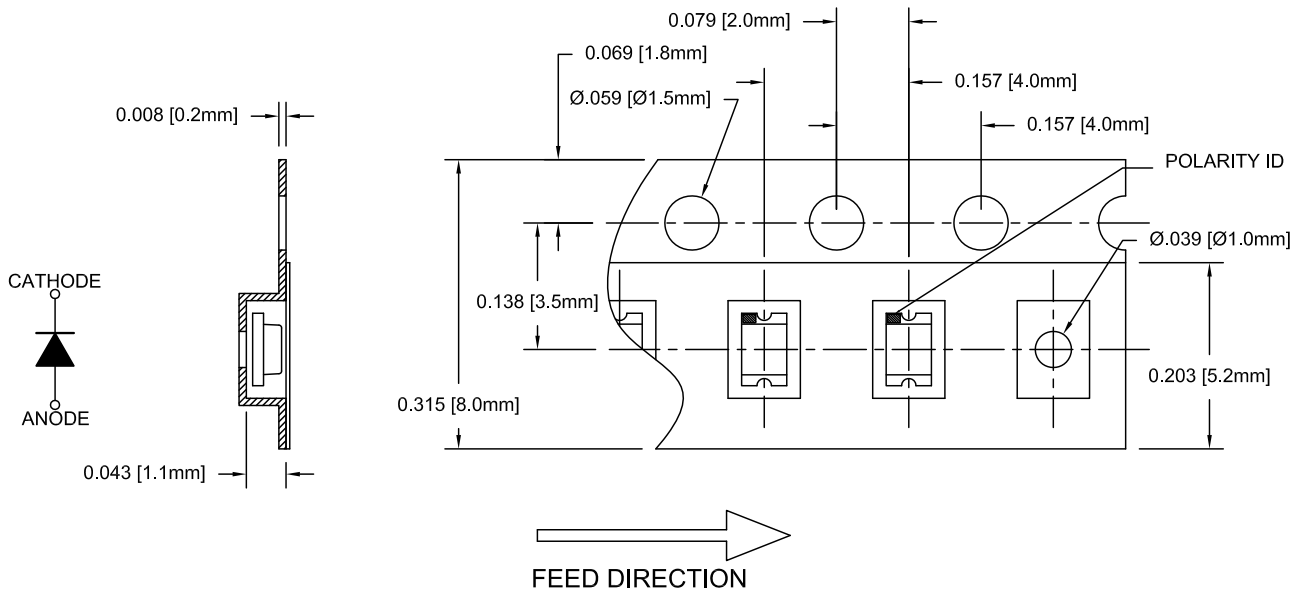
TITLE: SMD LED, SM0805, LOW CURRENT	REVISION: C
PART NO: SM0805XCL	
CAGE CODE : 32559	SHEET # 1 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 2mA			Viewing Angle 2 θ 1/2 (Deg)
	Material	Peak Wave Length λ_p (nm)	Emitted Color		$\Delta\lambda$ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
									TYP	MAX	TYP	
SM0805GCL	GaP/GaP	568	GREEN	WATER CLEAR	30	10	5	150	2.1	2.6	7.2	140
SM0805YCL	GaAsP	585	YELLOW	WATER CLEAR	35	10	5	150	2.1	2.6	4.0	140
SM0805HCL	GaAsP	635	HE RED	WATER CLEAR	45	10	5	150	1.9	2.6	4.8	140

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <small>±10% ALL VALUES ANGULAR</small>		 BIVAR [®] 4 THOMAS, IRVINE, CA, 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: Shane Irving	DATE: 03/01/01	PART NO: SM0805XCL	
CHECKED: D. Green	DATE: 07/20/04	CAGE CODE : 32559	SHEET # 2 OF 3
<small>CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.</small>			

REV.	DESCRIPTION	DATE	APPROVED
	See Sheet #1.		



LED Part No.	PCS/Reel
SM0805GCL	4000
SM0805YCL	4000
SM0805HCL	4000

1. UNLESS OTHERWISE SPECIFIED,
PACKAGING TO COMPLY WITH EIA-481-B

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		BIVAR®	
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DECIMALS .X ±.1 .XX ±.02 .XXX ±.010		ANGULAR X° ±1°	
DESIGNED: Shane Irving	DATE: 03/01/01	TITLE: SMD LED, SM0805, LOW CURRENT PART NO.: SM0805XCL REVISION: C	
CHECKED: D. Green	DATE: 07/20/04	CAGE CODE : 32559	SHEET # 3 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			