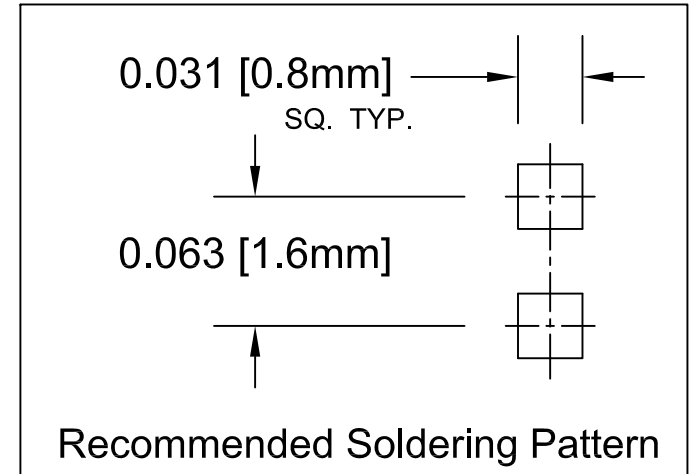
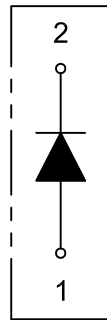
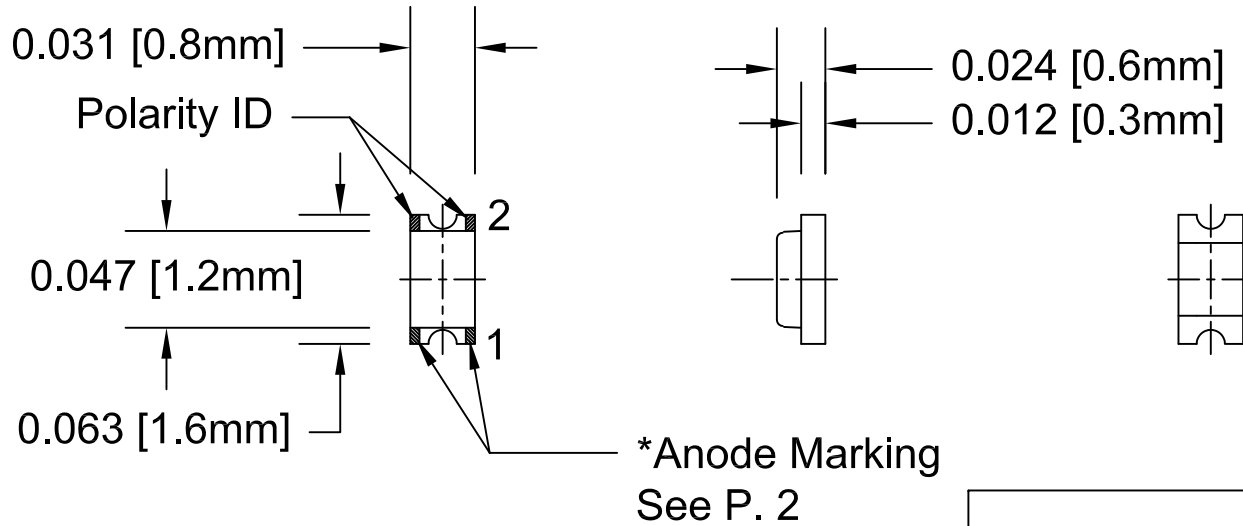


REV.	DESCRIPTION	DATE	APPROVED
B	Typo correction.	11/08/04	M. C.
C	Image Orientation Update w/o Changes.	02/28/05	M. C.
D	Modified Ratings on SM0603UBWC.	03/15/05	M. C.
E	Updated Anode Marking on SM0603HC/SRC	05/22/08	M. C.
F	Model Update	01/14/09	T. Y.



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)



REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	10µA
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)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ±.1	X° ± 1°	TITLE: SMD LED, SM0603	
.XX ±.02			
.XXX ±.010		PART NO: SM0603XXC	
DESIGNED: Michael Chen	DATE: 03/01/04	REVISION: F	
CHECKED: T. Yin	DATE: 03/01/04	CAGE CODE : 32559	SHEET # 1 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

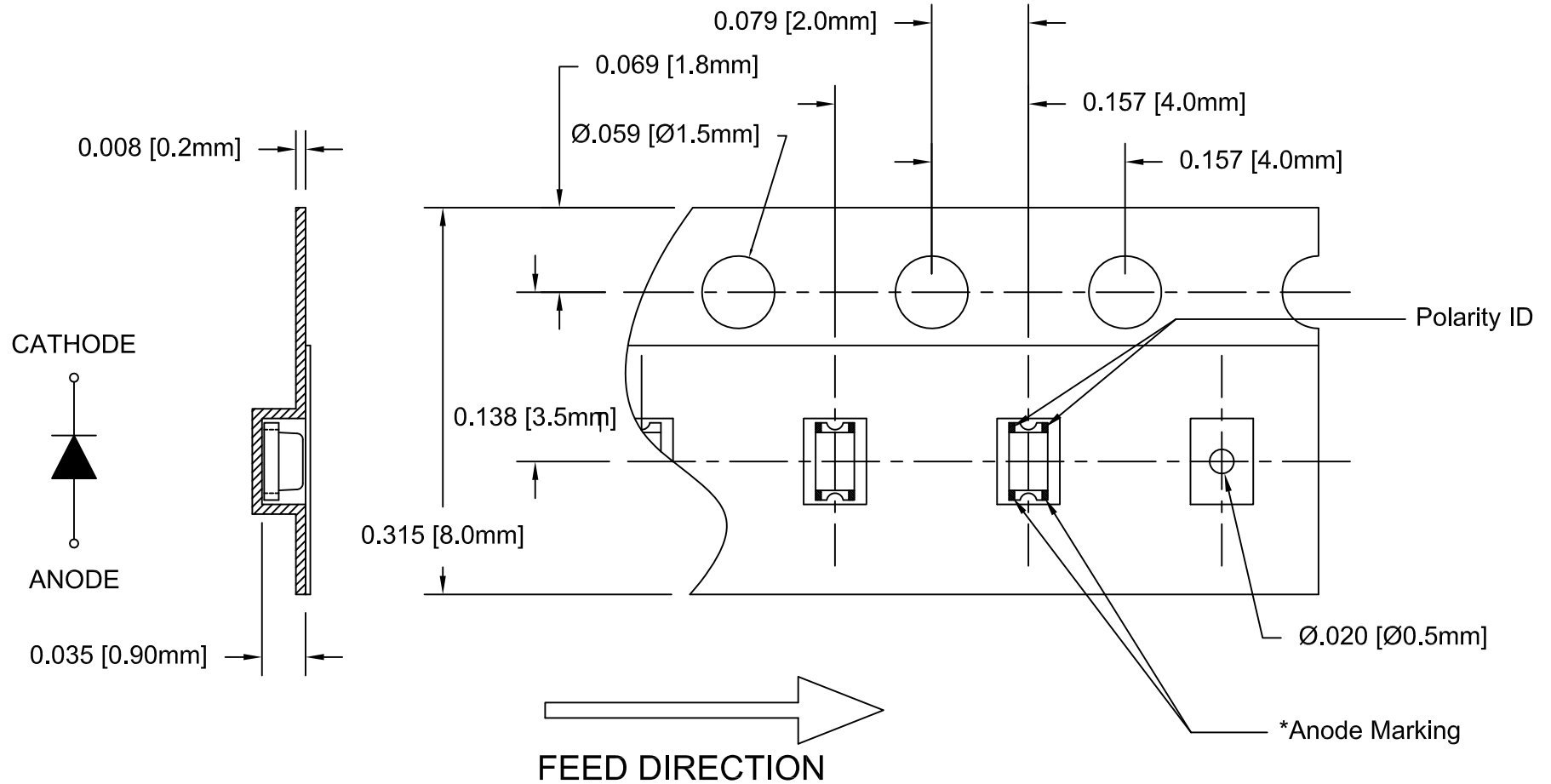
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2θ ½ (Deg)
	Material	Peak Wave Length λp(nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
									TYP	MAX	TYP	
SM0603BWC	GaN/SiC	430	SUPER BLUE	WATER CLEAR	65	70	30	100	3.8	4.5	20	140
SM0603UBWC	InGaN/SiC	470	ULTRA BLUE	WATER CLEAR	41	84	20	100	3.4	3.8	70	140
SM0603PGC	GaP	555	PURE GREEN	WATER CLEAR	25	100	30	150	2.1	2.6	2	140
SM0603GC	GaP	568	GREEN	WATER CLEAR	30	100	30	150	2.1	2.6	15	140
SM0603YC	GaAsP/GaP	585	YELLOW	WATER CLEAR	35	100	30	150	2.1	2.6	10	140
SM0603UYC	AlGaInP	588	ULTRA YELLOW	WATER CLEAR	15	100	30	150	2.1	2.6	60	140
SM0603AC	GaAsP/GaP	610	AMBER	WATER CLEAR	35	100	30	150	2.1	2.6	15	140
SM0603UOC	AlGaInP	620	ULTRA ORANGE	WATER CLEAR	17	100	30	150	2.1	2.6	60	140
SM0603HC*	GaAsP/GaP	635	HE RED	WATER CLEAR	45	100	30	150	2.1	2.6	12	140
SM0603SRC*	GaAlAs/GaAs	660	SUPER RED	WATER CLEAR	20	60	30	150	2.1	2.6	20	140
SM0603URC	GaAlAs/GaAs	660	ULTRA RED	WATER CLEAR	20	80	30	150	2.1	2.6	40	140
SM0603RC	GaP	700	RED	WATER CLEAR	90	50	15	50	2.3	2.6	2	140
SM0603UWC	InGaN	-	WHITE	WATER CLEAR	-	84	20	100	3.5	4.2	110	140

*ANODE MARKING

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) DECIMALS ANGULAR		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: Michael Chen	DATE: 03/01/04	TITLE: SMD LED, SM0603	
CHECKED: T. Yin	DATE: 03/01/04	PART NO: SM0603XXC	REVISION: F
		CAGE CODE : 32559	SHEET # 2 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	See Sheet #1.		



2. UNLESS OTHERWISE SPECIFIED,
PACKAGING TO COMPLY WITH EIA-481
1. 4000 pcs PER REEL

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		BIVAR [®]	
<u>DECIMALS</u>		4 THOMAS, IRVINE, CA. 92618	
.X	± .1	TEL: (949) 951-8808 FAX: (949) 951-3974	
.XX	± .02	TITLE:	
.XXX	± .010	SMD LED, SM0603	
		REVISION:	
		F	
DESIGNED:	DATE:	PART NO:	REVISION:
Michael Chen	03/01/04	SM0603XXC	F
CHECKED:	DATE:	CAGE CODE :	SHEET #
T. Yin	03/01/04	32559	3 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			