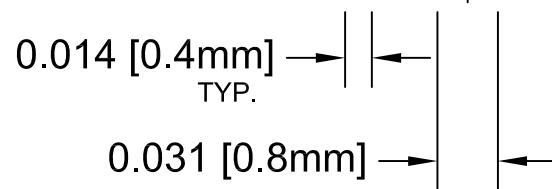
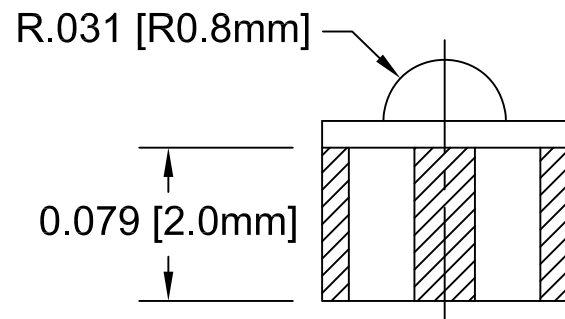
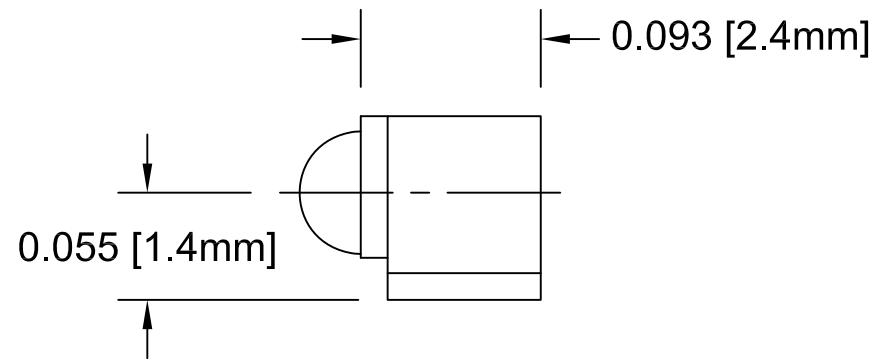
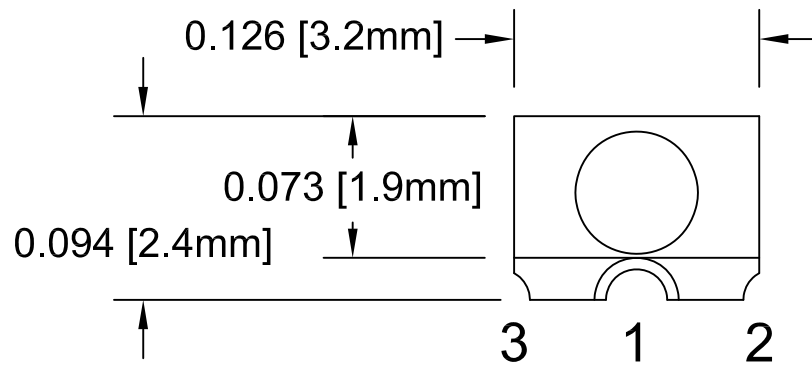
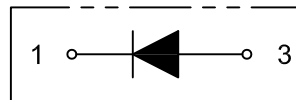


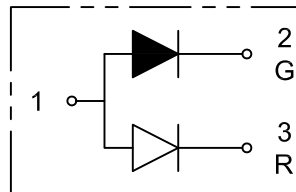
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	02/02/05	M. C.
B	Engineering Reel and Spec Update.	08/16/05	M. C.
C	Engineering Reel Update.	09/11/08	M. C.
D	LEDs Obsolete.	04/01/09	T. Y.



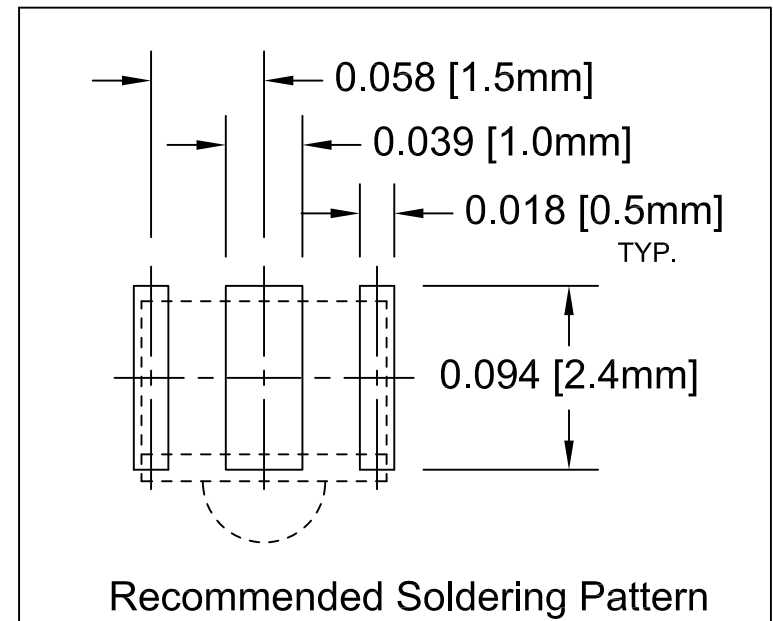
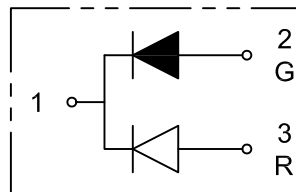
SINGLE COLOR



SMR32-BC



SMR32-SBC



ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

REVERSE VOLTAGE	5V
REVERSE CURRENT	100uA
OPERATING TEMPERATURE RANGE	-25° C - 85° C
STORAGE TEMPERATURE	-30° C - 100° 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: RIGHT ANGLE SURFACE MOUNT	
.XX ± .02			
.XXX ± .010		REVISION: D	
DESIGNED: David Green	DATE: 02/02/05	PART NO: SMR32-XX	
CHECKED: T. Yin	DATE: 02/02/05	CAGE CODE : 32559	SHEET # 1 OF 3

CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.

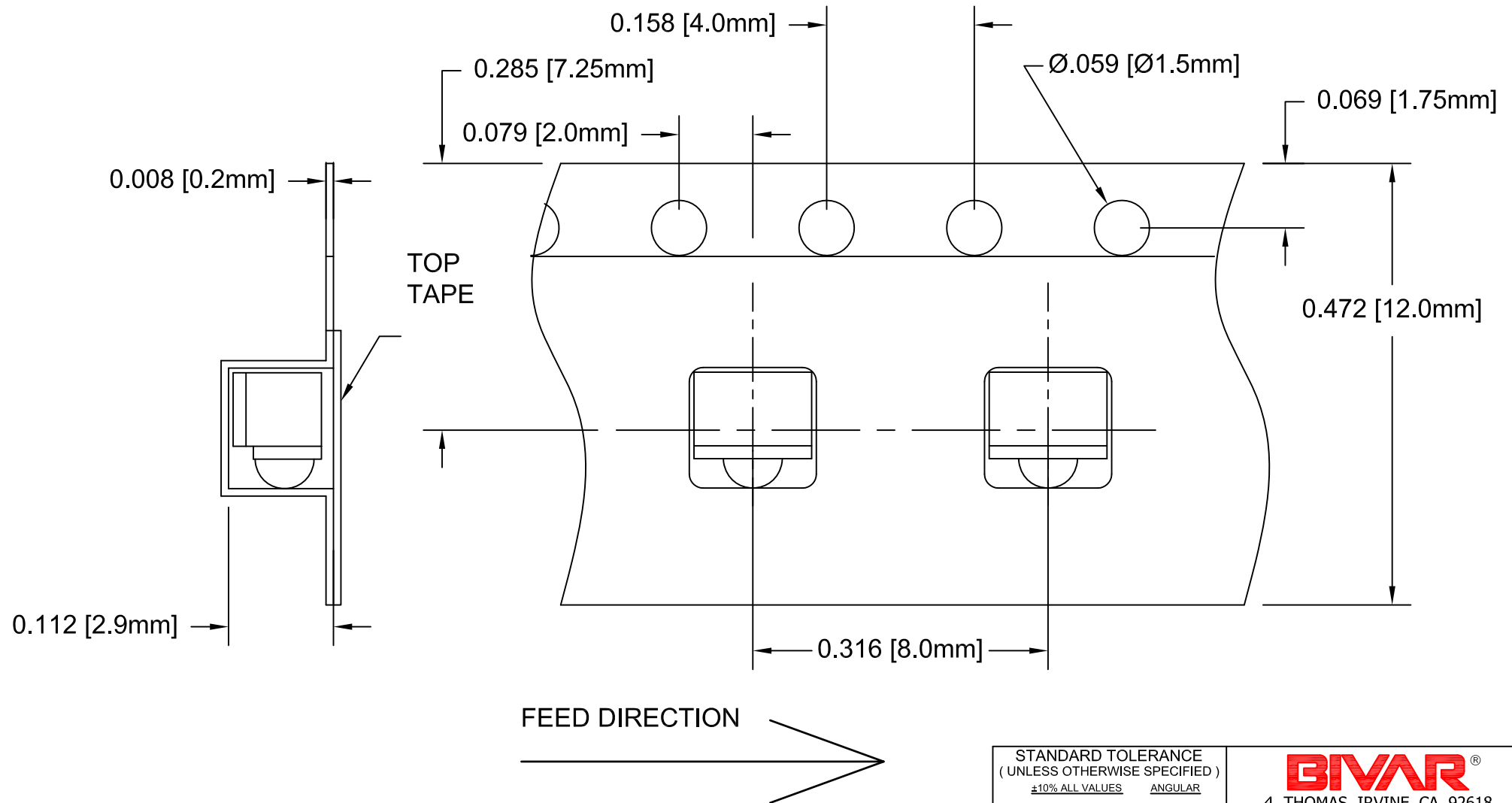
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2 Θ 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	
SMR32-UBW	GaN	460	BLUE	WATER CLEAR	30	120	30	125	3.5	4.0	75	110
SMR32-UG	GaN	525	ULTRA GREEN	WATER CLEAR	25	114	30	125	3.3	3.8	210	110
SMR32-SG	AlGaP	572	SUPER GREEN	WATER CLEAR	20	75	30	125	2.0	2.5	55	110
SMR32-G	GaP	565	GREEN	WATER CLEAR	30	81	30	125	2.2	2.7	14	110
SMR32-Y	AlGaP	585	YELLOW	WATER CLEAR	37	78	30	125	2.1	2.6	10	110
SMR32-SY	AlGaP	595	SUPER YELLOW	WATER CLEAR	20	75	30	125	2.0	2.5	180	110
SMR32-A	AlGaP	610	AMBER	WATER CLEAR	20	75	30	125	2.0	2.5	225	110
SMR32-O	GaAsP	610	ORANGE	WATER CLEAR	35	75	30	125	2.0	2.5	15	110
SMR32-H	AlGaP	640	HE RED	WATER CLEAR	21	75	30	125	2.0	2.5	180	110
SMR32-SH	GaAsP	635	SUPER HE RED	WATER CLEAR	35	75	30	125	2.0	2.5	15	110
SMR32-UH	AlGaP	635	ULTRA HE RED	WATER CLEAR	20	81	30	125	2.2	2.7	240	110
SMR32-R*	GaAlAs	660	RED	WATER CLEAR	25	69	30	125	1.8	2.3	13	110
SMR32-SR*	GaAlAs	660	SUPER RED	WATER CLEAR	25	75	30	125	2.0	2.5	55	110
SMR32-UW	InGaN/SiC	X = .30, Y = .31	WHITE	WATER CLEAR	-	120	30	125	3.5	4.0	140	110
SMR32-BC	GaAlAs	660	RED	WATER CLEAR	25	69	30	125	1.8	2.3	11	90
	GaP	565	GREEN		30	81	30	125	2.2	2.7	10	
SMR32-SBC	AlGaP	637	RED	WATER CLEAR	20	75	30	125	2.2	2.5	90	90
	AlGaP	570	GREEN		20	75	30	125	2.2	2.5	55	

* R/SR CHIP REVERSE POLARITY

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u> <u>ANGULAR</u>		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: RIGHT ANGLE SURFACE MOUNT	
DESIGNED: David Green	DATE: 02/02/05	PART NO: SMR32-XX	REVISION: D
CHECKED: M. Chen	DATE: 02/02/05	CAGE CODE : 32559	SHEET # 2 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		



NOTES:
 Ø7" Diameter Reel
 500 pcs / reel

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u> <u>ANGULAR</u> X° ± 5°		BIVAR® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: RIGHT ANGLE SURFACE MOUNT	
DESIGNED: David Green	DATE: 02/02/05	PART NO: SMR32-XX	REVISION: D
CHECKED: M. Chen	DATE: 02/03/03	CAGE CODE : 32559	SHEET # 3 OF 3
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			