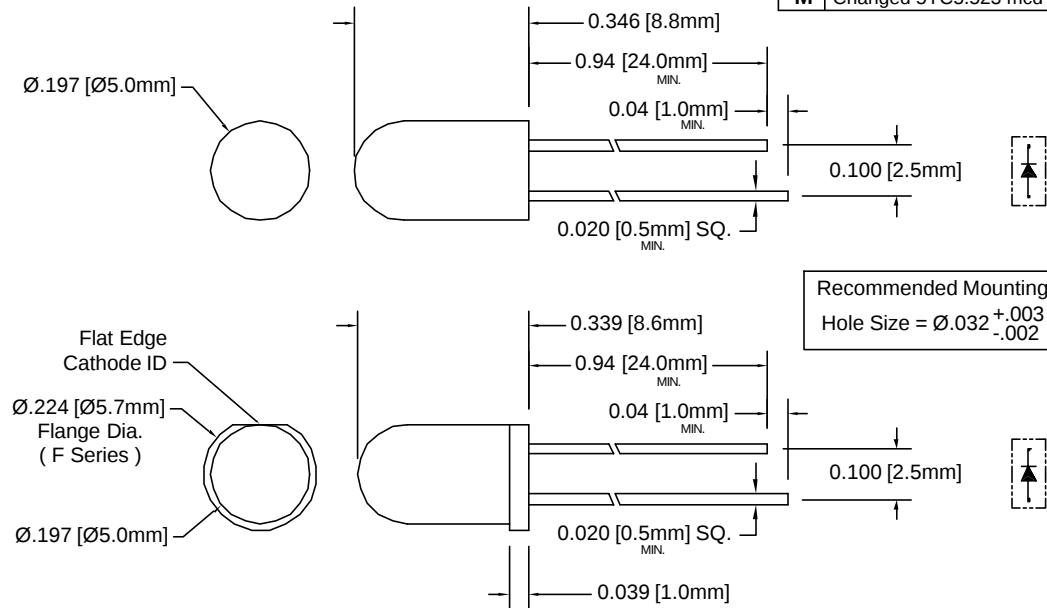


REV.	DESCRIPTION	DATE	APPROVED
G	Added 5YC4.030	05/12/04	M. C.
H	Added 5YC0.430	07/28/04	M. C.
J	Added 5XRC2.530	12/21/04	M. C.
K	Added 5XRC0.960	01/27/05	M. C.
L	Changed 5PC0.820 & 5PD0.445 Peak Wavelength.	02/17/05	M. C.
M	Changed 5YC5.523 mcd Rating.	08/12/05	M. C.



5CCLN.NVVX

LED DIAMETER (mm) ———— "F" FOR FLANGED, " " FOR N-FLANGED

EMITTING COLOR (SEE TABLE 1) ———— VIEWING ANGLE (DEGREES)

LENS APPEARANCE (SEE TABLE 2) ———— LUMINOUS INTENSITY (1000 mcd)

TABLE 1

Color	Color Code
Amber	A
Blue	BW
Green	G
Orange	O
Red	R/XR
Purple	P
Turquoise	T
Yellow	Y

TABLE 2

Lens Appearance	Lens Code
Water Clear	C
Diffused	D
Tinted	T

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE _____ 5V

REVERSE CURRENT (VR=5V) _____ 100μA

OPERATING TEMPERATURE RANGE _____ -40°C ~ 85°C

STORAGE TEMPERATURE _____ -40°C ~ 100°C

LEAD SOLDERING TEMPERATURE (1/16" FROM BODY) _____ 260°C for 5 Seconds

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DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	 TITLE: T-1 3/4 (5mm) & FLANGED LED, COLOR	
.XX ± .02			
.XXX ± .010			
DESIGNED: David Green	DATE: 12/23/02	PART NO: 5CCLN.NVVX	
CHECKED: M. Chen	DATE: 12/23/02	CAGE CODE : 32559	SHEET # 1 OF 2 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	MIN	TYP	MAX	
5PC0.820	-	445	PURPLE	WATER CLEAR	-	120	30	150	3.6	4.0	600	800	1200	20
5PD0.445	-	450	PURPLE	PINK DIFFUSED	-	120	30	150	3.6	4.0	200	350	500	45
5BWC2.515	-	468	BLUE	WATER CLEAR	30	76	50	150	3.7	4.5	2000	2500	3000	15
5BWC1.230	InGaN/SiC	468	BLUE	WATER CLEAR	28	100	35	100	3.4	3.9	700	1200	1700	30
5BWC1.830	InGaN/SiC	468	BLUE	WATER CLEAR	28	100	35	100	3.4	3.9	1300	1900	2500	30
5BWD0.345	InGan	470	BLUE	DIFFUSED	26	70	20	70	3.5	4.0	100	200	300	45
5XGC10.015	InGaN/SiC	525	GREEN	WATER CLEAR	38	100	35	100	3.4	3.9	7800	10000	11900	15
5GC9.015	-	528	GREEN	WATER CLEAR	30	120	30	150	3.6	4.0	8000	9000	10000	15
5YD0.430	AlGaInP	590	YELLOW	DIFFUSED	15	75	30	100	2.2	2.4	300	400	750	30
5YC5.523	AlGaInP	590	YELLOW	WATER CLEAR	-	75	30	100	2.2	2.4	4000	5500	7000	23
5YC2.723	AlGaInP	590	YELLOW	WATER CLEAR	-	75	30	100	2.2	2.4	2000	2700	4000	23
5YC4.030	AlGaInP	590	YELLOW	WATER CLEAR	20	100	35	100	2.25	2.8	3000	4000	6500	30
5XRC0.960	AlGaInP	630	RED	WATER CLEAR	20	100	35	100	2.1	2.5	600	900	1300	60
5XRC2.530	AlGaInP	630	RED	WATER CLEAR	20	100	35	100	2.1	2.5	1800	2500	3500	30
5XRC2.723	AlGaInP	630	RED	WATER CLEAR	-	75	30	100	2.2	2.4	2000	2700	4000	23
5XRC4.530	AlGaInP	633	RED	WATER CLEAR	30	-	30	50	2.2	2.6	3900	4500	5600	30
5XRC8.515	AlGaInP	635	RED	WATER CLEAR	20	100	35	100	2.2	2.7	6000	8500	10200	15

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10 % ALL VALUES ANGULAR X° ± 5°		BIVAR® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: T-1 3/4 (5mm) & FLANGED LED, COLOR	
DESIGNED: David Green	DATE: 12/23/02	PART NO: 5CCLN.NVVX	REVISION: M
CHECKED: M. Chen	DATE: 12/23/02	CAGE CODE : 32559 SHEET # 2 OF 2	
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