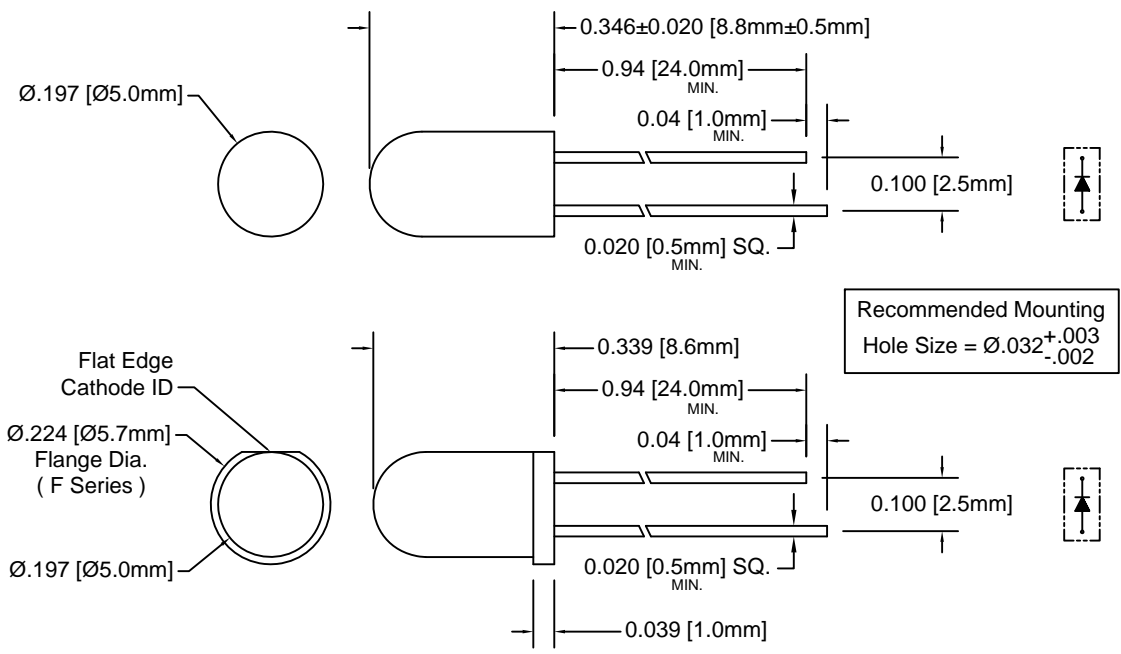


REV.	DESCRIPTION	DATE	APPROVED
R	Removed P/Ns, Ref. EOL NOTICE 051915	06/12/15	J. C.
T	Updated LED Optical Characteristics	09/01/15	J. C.
U	Updated LED Optical Characteristics	06/15/17	J. C.



5CCLN.NVVX

LED DIAMETER (mm) ————
 EMITTING COLOR (SEE TABLE 1) ————
 LENS APPEARANCE (SEE TABLE 2) ————



"F" FOR FLANGED, " " FOR N-FLANGED
 INTERNAL CODE
 INTERNAL CODE

Color	Color Code
Blue	BW
Green	G
Red	XR
Yellow	Y

Lens Appearance	Lens Code
Water Clear	C
Diffused	D



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

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02		TITLE: T-1¼ (5mm) & FLANGED LED, COLOR	
.XXX ± .010		PART NO: 5CCLN.NVVX	
DESIGNED: D. Green	DATE: 12/23/02	REVISION: U	
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. Rating			Electro-Optical Data @20mA					Viewing Angle 2θ 1/2 (Deg)
	Material	Peak Wavelength λp (nm)	Emitted Color		Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv (mcd)			
								TYP	MAX	MIN	TYP	MAX	
5BWC2.515	InGaN/Sapphire	468	BLUE	WATER CLEAR	76	20	100	3.2	3.6	3000	5000	7000	25
5BWC2.515F	InGaN/Sapphire	468	BLUE	WATER CLEAR	76	20	100	3.2	3.6	8000	10000	18000	25
5BWD0.345	InGan	470	BLUE	DIFFUSED	70	20	70	3.2	3.6	600	1000	2000	45
5BWD0.345F	InGan	470	BLUE	DIFFUSED	70	20	70	3.2	3.6	800	1500	3000	45
5GC9.015F	-	528	GREEN	WATER CLEAR	120	30	150	3.6	4.0	8000	9000	10000	15
5YC5.523	AlGaInP	590	YELLOW	WATER CLEAR	75	30	100	2.2	2.4	4000	5500	7000	23
5YC5.523F	AlGaInP	590	YELLOW	WATER CLEAR	75	30	100	2.2	2.4	4000	5500	7000	23
5XRC2.723	AlGaInP	630	RED	WATER CLEAR	75	30	100	2.2	2.4	2000	2700	4000	23
5XRC2.723F	AlGaInP	630	RED	WATER CLEAR	75	30	100	2.2	2.4	2000	2700	4000	23
5XRC8.515	AlGaInP	635	RED	WATER CLEAR	100	35	100	2.2	2.7	6000	8500	10200	15
5XRC8.515F	AlGaInP	635	RED	WATER CLEAR	100	35	100	2.2	2.7	6000	8500	10200	15

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES ANGULAR X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: D. Green		DATE: 12/23/02	TITLE: T-1 3/4 (5mm) & FLANGED LED, COLOR PART NO: 5CCLN.NVVX REVISION: U
CHECKED: M. Chen		DATE: 12/23/02	CAGE CODE : 32559 SHEET # 2 OF 2 CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.