

ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	H-178C-3	T-1¼ (5mm) Single-Level Tri-Lead LED Holder, 90° Mount
2	1	5BC-3-XXXX-F	T-1¼ (5mm) Bi-Color/Tri-Color Flanged LED, See Page 2

REV.	DESCRIPTION	DATE	APPROVED
B	Corrected Typo H178CBC-3-B from "Yellow/HE Red" to "Green/HE Red"	09/17/04	M. C.
C	LED Protrusion Tolerance Update	04/27/05	M. C.
D	Obsolete H178CBC-3-B & H178CBC-3-Y/G-B	09/24/08	M. C.
E	Engineering Update w/o Changes	06/20/16	J. C.

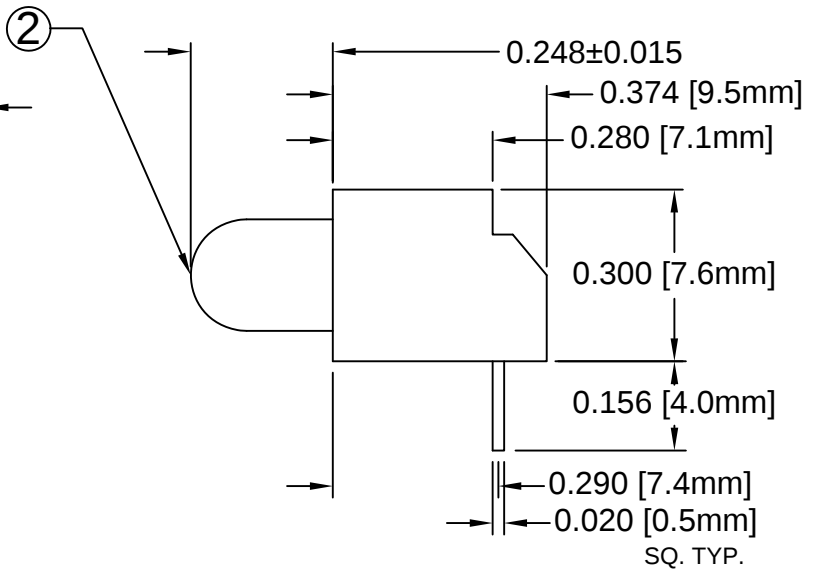
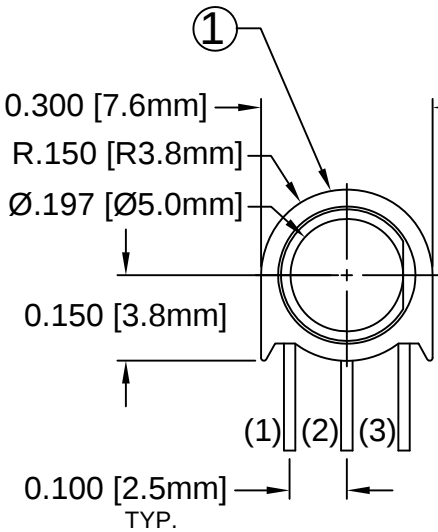
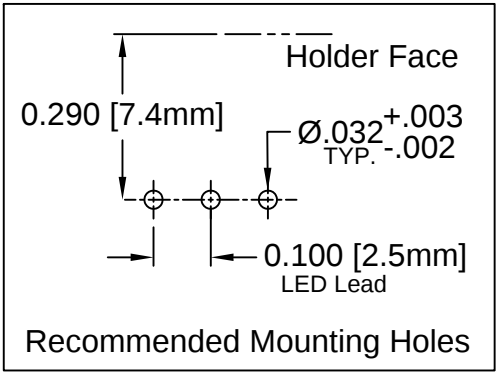


Fig. 1

(2) Common Cathode



(1) Anode (3) Anode

Red	Green
Yellow	Green
Red	Yellow

Fig. 2

(2) Common Anode

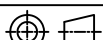


(1) Cathode (3) Cathode

Red	Green
Yellow	Green
Red	Yellow

ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

REVERSE VOLTAGE	5V
REVERSE CURRENT	100µA
OPERATING TEMPERATURE RANGE	-40° C - 80° 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	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°		
.XX ± .02			
.XXX ± .010		TITLE: T-1¾ (5MM) BI-COLOR 3 LEAD 90° SINGLE-LEVEL LED ASSY	
DESIGNED: T. Yin	DATE: 03/05/04	PART NO: H178CBC-3-XXXX	
CHECKED: D. Green	DATE: 03/05/04	REVISION: E	
		CAGE CODE : 32559 SHEET # 1 OF 2	
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Abs. Max. Rating	Electro-Optical Data @ 20mA			Viewing Angle 2 θ $\frac{1}{2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
H178CBC-3 (Fig. 1)	625	HE RED	WHITE DIFFUSED	30	2.0	2.8	35	40	5BC-3-F
	568	GREEN		30	2.1	2.8	35		
H178CBC-3-Y/G (Fig. 1)	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	30	40	5BC-3-Y/G-F
	568	GREEN		30	2.1	2.8	35		
H178CBC-3-CA (Fig. 2)	625	HE RED	WHITE DIFFUSED	30	2.0	2.8	4	40	5BC-3-CA-F
	568	GREEN		30	2.1	2.8	6		
H178CBC-3-Y/G-CA (Fig. 2)	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	4	40	5BC-3-Y/G-CA-F
	568	GREEN		30	2.1	2.8	6		

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) $\pm 10\%$ ALL VALUES ANGULAR		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: T. Yin	DATE: 03/05/04	TITLE: T-1 $\frac{3}{4}$ (5MM) BI-COLOR 3 LEAD 90° SINGLE-LEVEL LED ASSY	
CHECKED: D. Green	DATE: 03/05/04	PART NO: H178CBC-3-XXXX	REVISION: E
		CAGE CODE : 32559	SHEET # 2 OF 2
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			