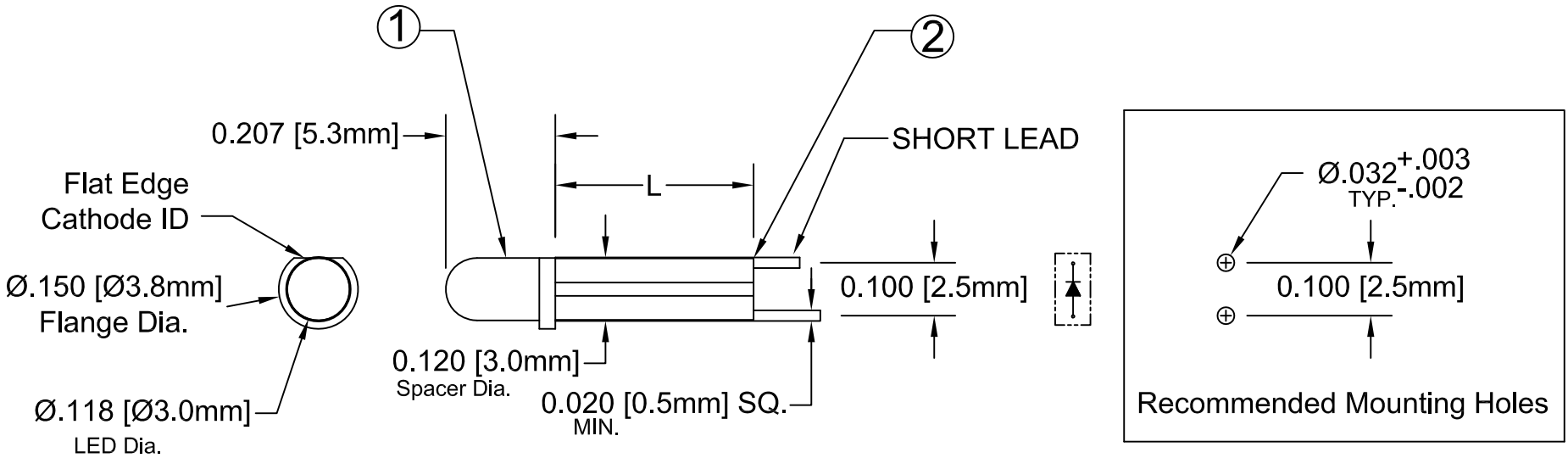


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	3XX-F	T-1 (3mm) Flanged LED, See Page 2
2	1	ELM 7-XXX	Extruded, Self-Retaining LED Spacer

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	12/23/04	M. C.
B	Changed "L" Dimensin	04/05/06	M. C.
C	Update LED, EMN-ELMXXXX3XX	08/22/06	M. C.
D	Removed Tolerance Note.	09/03/08	M. C.
E	Added Tape & Reel Options.	06/07/11	T. Y.
F	Tape & Reel Design Update.	11/21/11	T. Y.
G	Corrected P/N Typo in BOM.	09/24/13	T. Y.



ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

REVERSE VOLTAGE	5V
REVERSE CURRENT	100uA
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

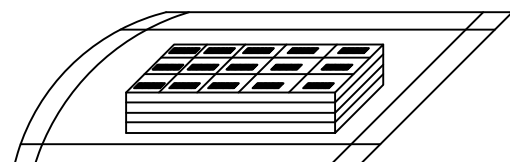
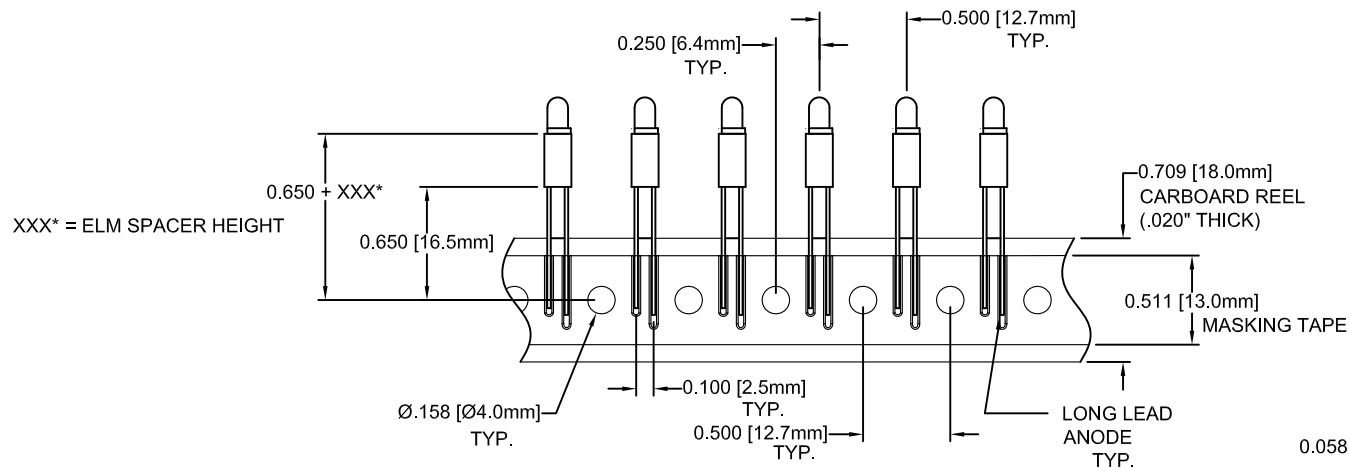
STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	 TITLE: EXTRUDED VERTICAL T-1 (3mm) LED STANDARD PROFILE SPACER ASSY	
.XX ± .02			
.XXX ± .010		PART NO: ELM7XXX3XX	
DESIGNED: David Green	DATE: 12/23/04	REVISION: G	
CHECKED: T. Yin	DATE: 12/23/04	CAGE CODE : 32559	SHEET # 1 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

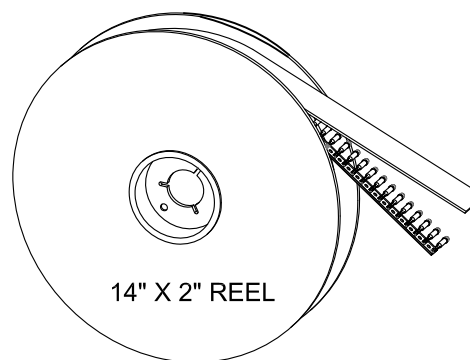
LED Assy. No.	Peak Wave Length λp(nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle 2 θ ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				TYP	TYP	MAX	TYP		
STANDARD				Data @ 20mA					
ELM7XXX3BWD	430	BLUE	DIFFUSED	20	4.0	4.5	20.0	45	3BWD-F
ELM7XXX3GD	565	GREEN	DIFFUSED	20	2.2	2.6	30.0	45	3GD-F
ELM7XXX3YD	585	YELLOW	DIFFUSED	20	2.1	2.6	20.0	45	3YD-F
ELM7XXX3HD	635	HE RED	DIFFUSED	20	2.0	2.6	30.0	45	3HD-F
ELM7XXX3RD	655	RED	DIFFUSED	20	1.7	2.0	6.0	45	3RD-F
ELM7XXX3SRD	660	SUPER RED	DIFFUSED	20	1.7	2.6	90.0	45	3SRD-F
LOW CURRENT				Data @ 2mA					
ELM7XXX3GDL	565	GREEN	DIFFUSED	5	1.9	2.2	6.0	45	3GDL-F
ELM7XXX3YDL	585	YELLOW	DIFFUSED	5	1.9	2.2	4.0	45	3YDL-F
ELM7XXX3HDL	635	HE RED	DIFFUSED	5	1.8	2.2	6.0	45	3HDL-F
5 VOLT				Data @ 5V					
ELM7XXX3GD5V	565	GREEN	DIFFUSED	8	-	5.0	30.0	45	3GD5V-F
ELM7XXX3YD5V	585	YELLOW	DIFFUSED	8	-	5.0	20.0	45	3YD5V-F
ELM7XXX3HD5V	635	HE RED	DIFFUSED	8	-	5.0	30.0	45	3HD5V-F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u>		ANGULAR X° ± 5°		BIVAR® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
				TITLE: EXTRUDED VERTICAL T-1 (3mm) LED STANDARD PROFILE SPACER ASSY	
DESIGNED: David Green		DATE: 12/23/04		PART NO: ELM7XXX3XX	
CHECKED: T. Yin		DATE: 12/23/04		REVISION: G	
				CAGE CODE : 32559 SHEET # 2 OF 3	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.					

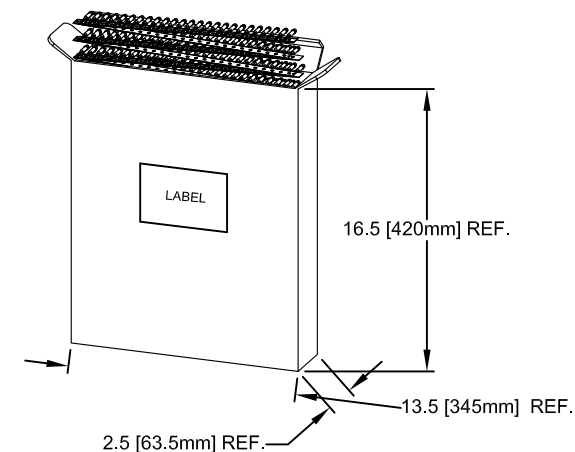
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		



STANDARD PACKAGING TRAY



TAPE & REEL
1,000 pcs / reel



AMMO PACK
2,000 pcs / box

NOTE:

1. STANDARD PART NUMBERS ARE PACKAGED IN LOOSE PIECES USING PACKAGING TRAYS
2. ADD "T" SUFFIX TO PART NUMBER FOR TAPE AND REEL PACKAGING OPTION (1,000 PCS/REEL)
3. ADD "A" SUFFIX TO PART NUMBER FOR AMMO PACK OPTION (2,000 PCS/BOX)
4. TAPE AND REEL PACKAGING COMPLY TO EIA-468-C

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
<u>DECIMALS</u>	<u>ANGULAR</u>		
.X ± .1	X° ± 1°	 TITLE: EXTRUDED VERTICAL T-1 (3mm) LED STANDARD PROFILE SPACER ASSY	
.XX ± .02			
.XXX ± .010			
DESIGNED: David Green	DATE: 12/23/04	PART NO: ELM7XXX3XX	
		REVISION G	
CHECKED: T. Yin	DATE: 12/23/04	CAGE CODE : 32559 SHEET # 3 OF 3	
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			