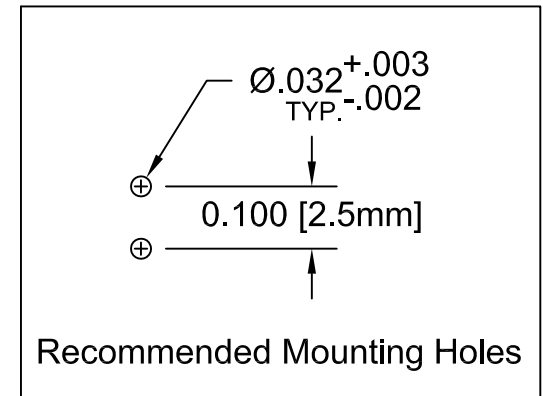
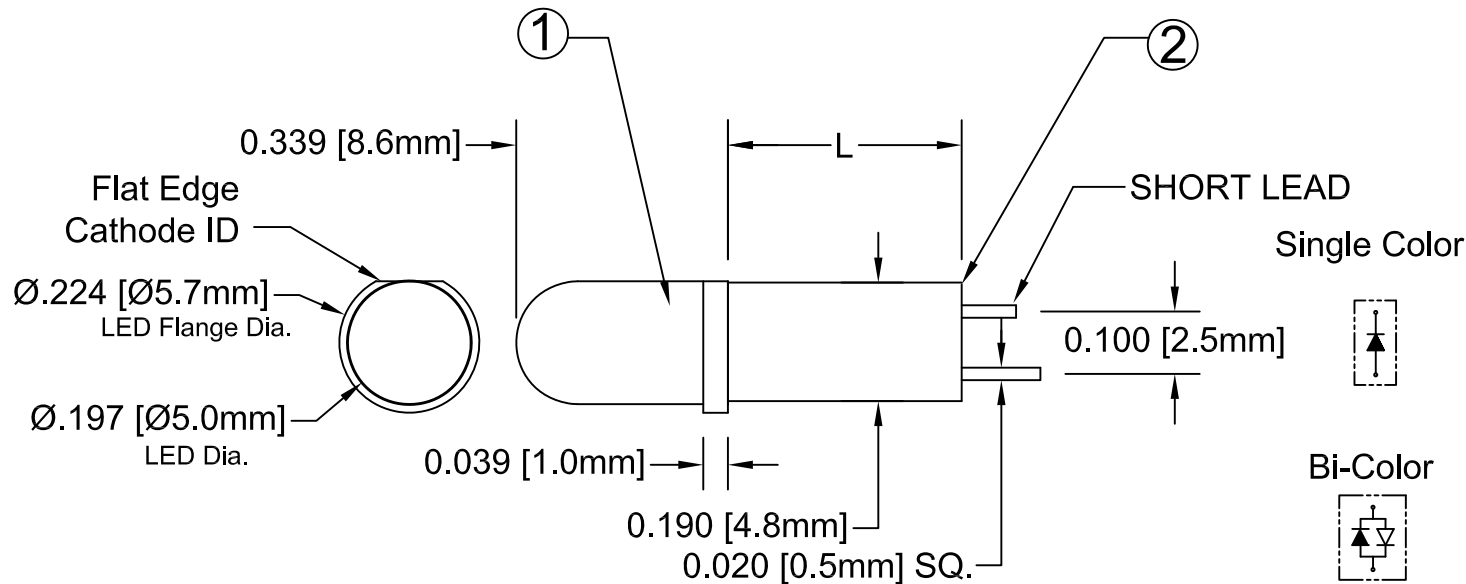


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	5XX-F	T1 3/4 (5mm) Flanged LED, See Page 2
2	1	ELM2-XXX	Extruded, Self-Retaining LED Spacer

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	07/22/09	T. Y.
B	Added Tape & Reel Options	06/06/11	T. Y.
C	Tape & Reel Design Update	11/21/11	T. Y.



ELM2XXX5XX

5mm LED,
Emitted Color and Lens
Appearance

ELM Spacer Length "L"
-i.e. 0.120" length, use 120
-For metric, use whole
number. i.e. 2MM, 10MM

ELM Series

SHORT LEAD CATHODE	PART NO.	LONG LEAD CATHODE
RED	5BC-F	GREEN
YELLOW	5BC-Y/G-F	GREEN
RED	5BC-R/Y-F	YELLOW

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE _____ 5V

REVERSE CURRENT _____ 100uA

OPERATING TEMPERATURE RANGE _____ -25° C - 85° C

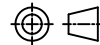
STORAGE TEMPERATURE _____ -30° C - 100° C

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

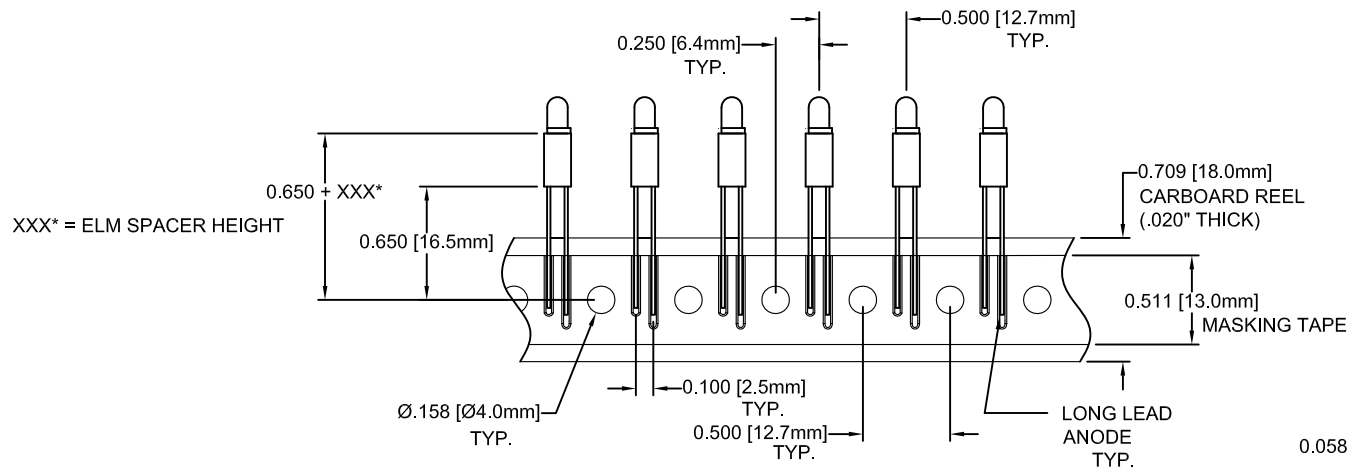
STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ±.1	X° ± 1°		
.XX ±.02			
.XXX ±.010			
DESIGNED: Raffy Paje	DATE: 07/22/09	 TITLE: EXTRUDED VERTICAL T1 3/4 (5mm) LED STANDARD PROFILE SPACER ASSY	
CHECKED: T. Yin	DATE: 07/22/09	PART NO: ELM2XXX5XX	REVISION: C
		CAGE CODE : 32559	SHEET # 1 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

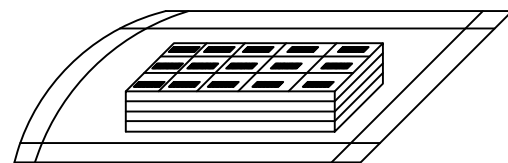
LED Assy. No.	Peak Wave Length λp(nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle 2 θ ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				TYP	TYP	MAX	TYP		
STANDARD				Data @ 20mA					
ELM2XXX5AD	605	AMBER	DIFFUSED	20	2.0	2.8	25	40	5AD-F
ELM2XXX5BWD	430	BLUE	DIFFUSED	20	4.0	4.5	15	40	5BWD-F
ELM2XXX5GD	568	GREEN	DIFFUSED	20	2.1	2.8	25	40	5GD-F
ELM2XXX5YD	590	YELLOW	DIFFUSED	20	2.0	2.8	25	40	5YD-F
ELM2XXX5HD	625	HE RED	DIFFUSED	20	2.0	2.8	40	40	5HD-F
ELM2XXX5HT	625	HE RED	TINTED	20	2.0	2.8	50	35	5HT-F
ELM2XXX5RD	700	RED	DIFFUSED	20	2.1	2.8	2	40	5RD-F
ELM2XXX5SRC	645	SUPER RED	CLEAR	20	1.7	2.4	60	35	5SRC-F
ELM2XXX5SRD	645	SUPER RED	DIFFUSED	20	1.7	2.4	40	40	5SRD-F
ELM2XXX5BC	625	HE RED	WHITE DIFFUSED	20	2.0	2.8	8	45	5BC-F
	568	GREEN		20	2.1	2.8	8		
ELM2XXX5BC-Y/G	590	YELLOW	WHITE DIFFUSED	20	2.0	2.8	6	45	5BC-Y/G-F
	568	GREEN		20	2.1	2.8	8		
ELM2XXX5BC-R/Y	590	YELLOW	WHITE DIFFUSED	20	2.0	2.8	6	45	5BC-R/Y-F
	625	HE RED		20	2.0	2.8	8		
LOW CURRENT				Data @ 2mA					
ELM2XXX5GDL	568	GREEN	DIFFUSED	2	2.1	2.6	4	40	5GDL-F
ELM2XXX5YDL	590	YELLOW	DIFFUSED	2	2.0	2.6	4	40	5YDL-F
ELM2XXX5HDL	625	HE RED	DIFFUSED	2	2.0	2.6	5	40	5HDL-F
5 VOLT				Data @ 5V					
ELM2XXX5GD5V	568	GREEN	DIFFUSED	8	-	5.0	25	40	5GD5V-F
ELM2XXX5YD5V	590	YELLOW	DIFFUSED	8	-	5.0	25	40	5YD5V-F
ELM2XXX5HD5V	625	HE RED	DIFFUSED	8	-	5.0	30	40	5HD5V-F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>DECIMALS</u> <u>ANGULAR</u>		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: EXTRUDED VERTICAL T1 3/4 (5mm) LED STANDARD PROFILE SPACER ASSY	
DESIGNED: Raffy Paje	DATE: 07/22/09	PART NO: ELM2XXX5XX	REVISION C
CHECKED: T. Yin	DATE: 07/22/09	CAGE CODE : 32559	SHEET # 2 OF 3
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

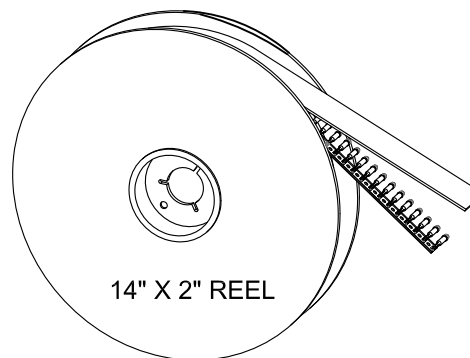
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		



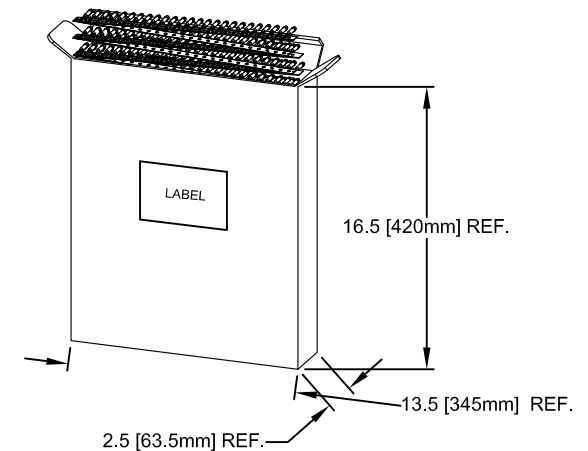
DIRECTION OF FEED →



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)			
<u>DECIMALS</u>	<u>ANGULAR</u>	4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
.X ± .1	X° ± 1°	 TITLE: EXTRUDED VERTICAL T1 3/4 (5mm) LED STANDARD PROFILE SPACER ASSY	
.XX ± .02			
.XXX ± .010			
DESIGNED: Raffy Paje	DATE: 07/22/09	PART NO: ELM2XXX5XX	REVISION C
CHECKED: T. Yin	DATE: 07/22/09	CAGE CODE : 32559	SHEET # 3 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			