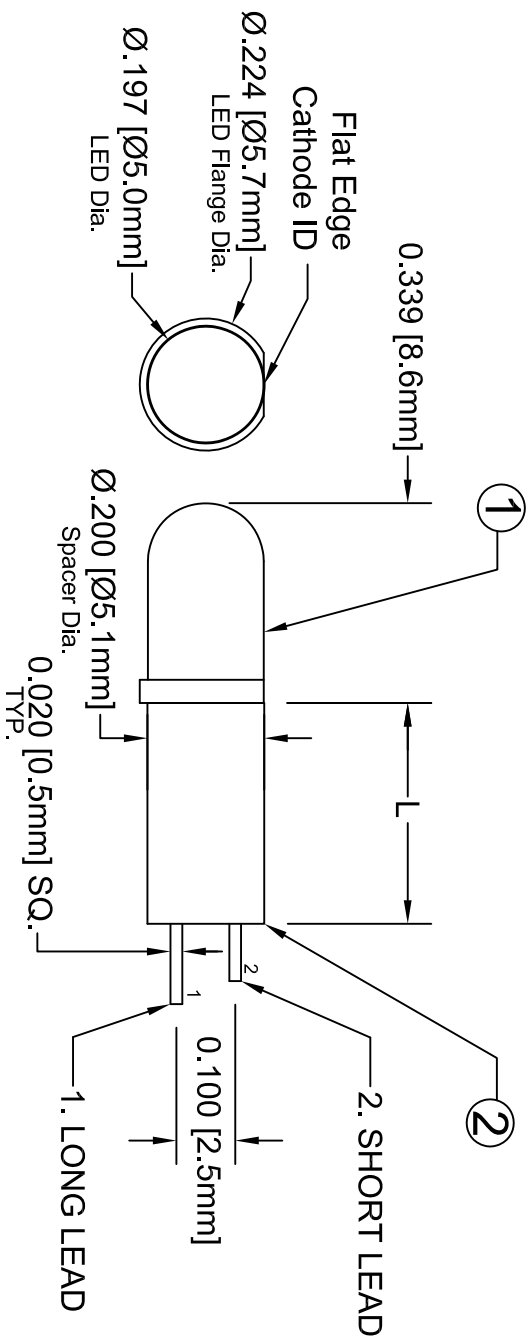
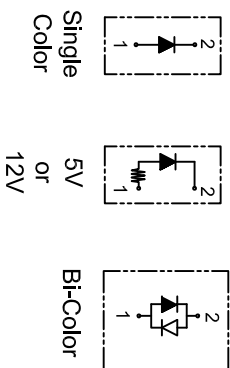


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	5XX-F	T-1½ (5mm) Flanged LED, See Pages 2 to 4
2	1	ELM1-XXX	Extruded, Self-Retaining LED Spacer

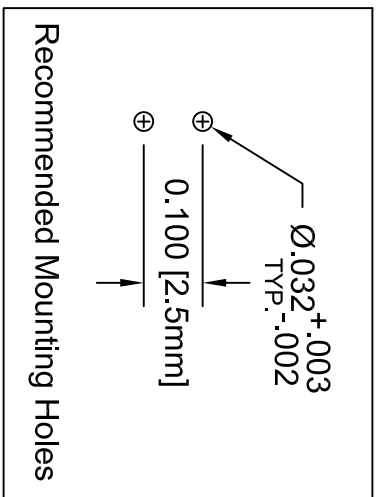
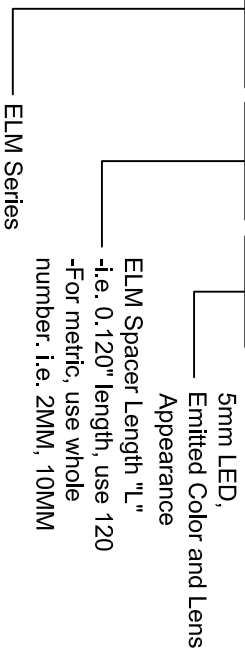
REV.	DESCRIPTION	DATE	APPROVED
F	Updated Specs.	09/23/08	M. C.
G	Added P/N Designation Note.	07/22/09	T. Y.
H	Added ELM12205SRDLT.	01/19/11	T. Y.
J	Added Tape & Reel Options.	06/06/11	T. Y.
K	Tape & Reel Design Update.	11/15/11	T. Y.
M	LED Offering List Update.	07/26/12	T. Y.
N	Removed LED Duplication From Offering List.	11/09/12	T. Y.



BI-COLOR POLARITY	
LED P/N	(1) Cathode (2) Cathode
5BC-F	Green
5BC-Y/G-F	Green
5BC-R/Y-F	Yellow
5BC-A/G-F	Green



ELM1XXX5XX



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE _____ 5V
 REVERSE CURRENT _____ 100µA
 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)		ANGULAR		TITLE: EXTRUDED VERTICAL T-1½ (5mm) LED NARROW PROFILE ASSY	
DECIMALS	ANGULAR	DATE:	DESIGNED:	DATE:	REVISION:
.X ± .1	X° ± 1°	07/26/12	Minh Doan	07/26/12	N
.XX ± .02					
.XXX ± .010					
CHECKED: T. Yin		DATE: 07/26/12			
			CAGE CODE : 3259	SHEET # 1	OF 5



4 THOMAS, IRVINE, CA, 92618
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Material	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ± (Deg)	LED P/N
		Peak Wave Length	Emitted Color			If (mA) MAX	Vf (V) TYP	MAX	Iv (mcd) TYP		
ELM1XXX5BWC	GaN/SiC	430	BLUE		25	4	4.5	25	20	5BWC-F	
ELM1XXX5BWD	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	15	45	5BWD-F	
ELM1XXX5BWT	GaN/SiC	430	BLUE	TINTED	25	4	4.5	30	20	5BWT-F	
ELM1XXX5GC	Gap/Gap	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC-F	
ELM1XXX5GD	Gap/Gap	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD-F	
ELM1XXX5GT	Gap/Gap	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT-F	
ELM1XXX5PGC	Gap/Gap	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC-F	
ELM1XXX5PGD	Gap/Gap	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD-F	
ELM1XXX5PGT	Gap/Gap	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT-F	
ELM1XXX5YC	GaSP/Gap	590	YELLOW	WATER CLEAR	30	2	2.8	40	35	5YC-F	
ELM1XXX5YD	GaSP/Gap	590	YELLOW	DIFFUSED	30	2	2.8	25	45	5YD-F	
ELM1XXX5YT	GaSP/Gap	590	YELLOW	TINTED	30	2	2.8	40	35	5YT-F	
ELM1XXX5AC	GaSP/Gap	605	AMBER	WATER CLEAR	30	2	2.8	40	35	5AC-F	
ELM1XXX5AD	GaSP/Gap	605	AMBER	DIFFUSED	30	2	2.8	25	45	5AD-F	
ELM1XXX5AT	GaSP/Gap	605	AMBER	TINTED	30	2	2.8	40	35	5AT-F	
ELM1XXX5HC	GaSP/Gap	625	HE RED	WATER CLEAR	30	2	2.8	40	35	5HC-F	
ELM1XXX5HD	GaSP/Gap	625	HE RED	DIFFUSED	30	2	2.8	25	45	5HD-F	
ELM1XXX5HT	GaSP/Gap	625	HE RED	TINTED	30	2	2.8	40	35	5HT-F	
ELM1XXX5RC	Gap/Gap	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC-F	
ELM1XXX5RD	Gap/Gap	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD-F	
ELM1XXX5RT	Gap/Gap	700	RED	TINTED	20	2.1	2.8	2	35	5RT	
ELM1XXX5BC-A/G	GaSP/Gap	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-A/G-F	
ELM1XXX5BC	Gap/Gap	568	GREEN		30	2.1	2.8	6			
	GaSP/Gap	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-F	
ELM1XXX5BC-R/Y	Gap/Gap	568	GREEN		30	2.1	2.8	8			
	GaSP/Gap	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-R/Y-F	
ELM1XXX5BC-R/Y	Gap/Gap	590	YELLOW		30	2.0	2.8	5			
	GaSP/Gap	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-R/Y-F	
ELM1XXX5BC-V/G	Gap/Gap	568	GREEN	WHITE DIFFUSED	30	2.1	2.8	8		5BC-V/G-F	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)
 ±10% ALL VALUES

ANGULAR X° ± 5°

DESIGNED: Minh Doan DATE: 07/26/12
 CHECKED: T. Yin DATE: 07/26/12

TITLE: EXTRUDED VERTICAL T-134 (5mm) LED NARROW PROFILE ASSY
 PART NO: ELM1XXX5XX
 CAGE CODE: 32559 SHEET # 2 OF 5
 REVISION: N



4 THOMAS, IRVINE, CA, 92618
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Material	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2 θ ½ (Deg)	LED P/N
		Peak Wave Length	Emitted Color	If (mA)		Vf (V)	Iv (mcd)	MAX			
								TYP	MAX		
EML1XXX5UBWC	InGaN/SiC	468	BLUE	76	3.7	4.5	2500	15	5BW2.515F		
EML1XXX5SGC	Gap/Gap	568	GREEN	30	2.1	2.8	60	35	5SGC-F		
EML1XXX5SGD	Gap/Gap	568	GREEN	30	2.1	2.8	50	40	5SGD-F		
EML1XXX5SGT	Gap/Gap	568	GREEN	30	2.1	2.8	60	35	5SGT-F		
EML1XXX5SYC	GaAsP/Gap	590	YELLOW	30	2.0	2.8	600	35	5SYC-F		
EML1XXX5SYD	GaAsP/Gap	590	YELLOW	30	2.0	2.8	150	40	5SYD-F		
EML1XXX5SYT	GaAsP/Gap	590	YELLOW	30	2.0	2.8	600	35	5SYT-F		
EML1XXX5SRC	GaAlAs/GaAs	645	SUPER RED	30	1.7	2.4	60	35	5SRC-F		
EML1XXX5SRD	GaAlAs/GaAs	645	SUPER RED	30	1.7	2.4	40	40	5SRD-F		
EML1XXX5SRT	GaAlAs/GaAs	645	SUPER RED	30	1.7	2.4	60	35	5SRT-F		
EML1XXX5JUGC	AlGalnP	570	GREEN	30	2.1	2.4	400	35	5JUGC-F		
EML1XXX5JUGC	AlGalnP	570	GREEN	30	2.1	2.4	300	35	5JUGC-F		
EML1XXX5JUYC	AlGalnP	590	YELLOW	30	2.0	2.4	1000	30	5JUYC-F		
EML1XXX5JUYC	AlGalnP	590	YELLOW	30	2.0	2.4	700	35	5JUYC-F		
EML1XXX5JUYC	AlGalnP	590	YELLOW	30	2.0	2.4	500	35	5JUYC-F		
EML1XXX5JUC	AlGalnP	625	ORANGE	30	1.8	2.4	1400	35	5JUC-F		
EML1XXX5JUC	AlGalnP	625	ORANGE	30	1.8	2.4	1300	35	5JUC-F		
EML1XXX5JURC	GaAlAs/GaAs	645	RED	30	1.7	2.4	400	30	5JURC-F		
EML1XXX5JURC	AlGalnP	640	RED	30	1.8	2.4	500	35	5JURC-F		
EML1XXX5JUWC	InGaN/SiC	6500K	WHITE	100	3.5	4.2	2700	30	5JWC2.730F		

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES											
ANGULAR X° ± 5°											
DESIGNED:	DATE:	DESIGNED:	DATE:	DESIGNED:	DATE:	DESIGNED:	DATE:	DESIGNED:	DATE:	DESIGNED:	DATE:
Minh Doan	07/26/12	Minh Doan	07/26/12	Minh Doan	07/26/12	Minh Doan	07/26/12	Minh Doan	07/26/12	Minh Doan	07/26/12
CHECKED:	DATE:	CHECKED:	DATE:	CHECKED:	DATE:	CHECKED:	DATE:	CHECKED:	DATE:	CHECKED:	DATE:
T. Yin	07/26/12	T. Yin	07/26/12	T. Yin	07/26/12	T. Yin	07/26/12	T. Yin	07/26/12	T. Yin	07/26/12
TITLE: EXTRUDED VERTICAL T-134 (5mm) LED NARROW PROFILE ASSY				PART NO: ELM1XXX5XX				REVISION: N			
CAGE CODE : 32559				SHEET # 3 OF 5				CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			



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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Max. Rating		Electro-Optical Data @ 2mA			Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N	
				If (mA)	MAX	Vf (V)	TYP	MAX			Iv (mcd)
ELM1XXX5BWDL	430	BLUE	DIFFUSED	7	MAX	3.8	TYP	4.2	4	40	5BWDL-F
ELM1XXX5PGDL	555	PURE GREEN	DIFFUSED	7	MAX	2.1	TYP	2.6	1	40	5PGDL-F
ELM1XXX5GDL	568	GREEN	DIFFUSED	7	MAX	2.1	TYP	2.6	4	40	5GDL-F
ELM1XXX5YDL	590	YELLOW	DIFFUSED	7	MAX	2.0	TYP	2.6	4	40	5YDL-F
ELM1XXX5ADL	605	AMBER	DIFFUSED	7	MAX	2.0	TYP	2.6	4	40	5ADL-F
ELM1XXX5HDL	625	HE RED	DIFFUSED	7	MAX	2.0	TYP	2.6	5	40	5HDL-F
ELM1XXX5SRDL	645	SUPER RED	DIFFUSED	7	MAX	1.7	TYP	2.3	6	40	5SRDL-F

Assembly P/N	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Electro-Optical Data			Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N	
				If (mA)	Vf (V)	Iv (mcd)			
5 Volt									
ELM1XXX5BWD5V	BLUE	430	DIFFUSED	-	-	5	15	40	5BWD5V-F
ELM1XXX5GC5V	GREEN	568	WATER CLEAR	-	-	5	40	40	5GC5V-F
ELM1XXX5GD5V	GREEN	568	DIFFUSED	-	-	5	25	40	5GD5V-F
ELM1XXX5GT5V	GREEN	568	TINTED	-	-	5	40	40	5GT5V-F
ELM1XXX5AD5V	AMBER	605	DIFFUSED	-	-	5	25	40	5AD5V-F
ELM1XXX5HD5V	HE RED	625	DIFFUSED	-	-	5	30	40	5HD5V-F
ELM1XXX5RD5V	RED	700	DIFFUSED	-	-	5	1.5	40	5RD5V-F
ELM1XXX5YD5V	YELLOW	590	DIFFUSED	-	-	5	25	40	5YD5V-F
12 Volt									
Data @ 12V									
ELM1XXX5GC12V	GREEN	568	WATER CLEAR	-	-	12	40	35	5GC12V-F
ELM1XXX5GD12V	GREEN	568	DIFFUSED	-	-	12	25	40	5GD12V-F
ELM1XXX5HC12V	HE RED	625	WATER CLEAR	-	-	12	50	35	5HC12V-F
ELM1XXX5HD12V	HE RED	625	DIFFUSED	-	-	12	30	40	5HD12V-F
ELM1XXX5RC12V	RED	700	WATER CLEAR	-	-	12	2	35	5RC12V-F
ELM1XXX5RD12V	RED	700	DIFFUSED	-	-	12	1.5	40	5RD12V-F
ELM1XXX5YC12V	YELLOW	590	WATER CLEAR	-	-	12	25	35	5YC12V-F
ELM1XXX5YD12V	YELLOW	590	DIFFUSED	-	-	12	20	40	5YD12V-F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)
 ±10% ALL VALUES

ANGULAR X° ± 5°

DESIGNED: Minh Doan DATE: 07/26/12
 CHECKED: T. Yin DATE: 07/26/12

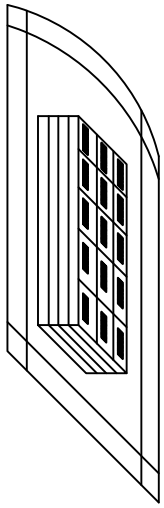
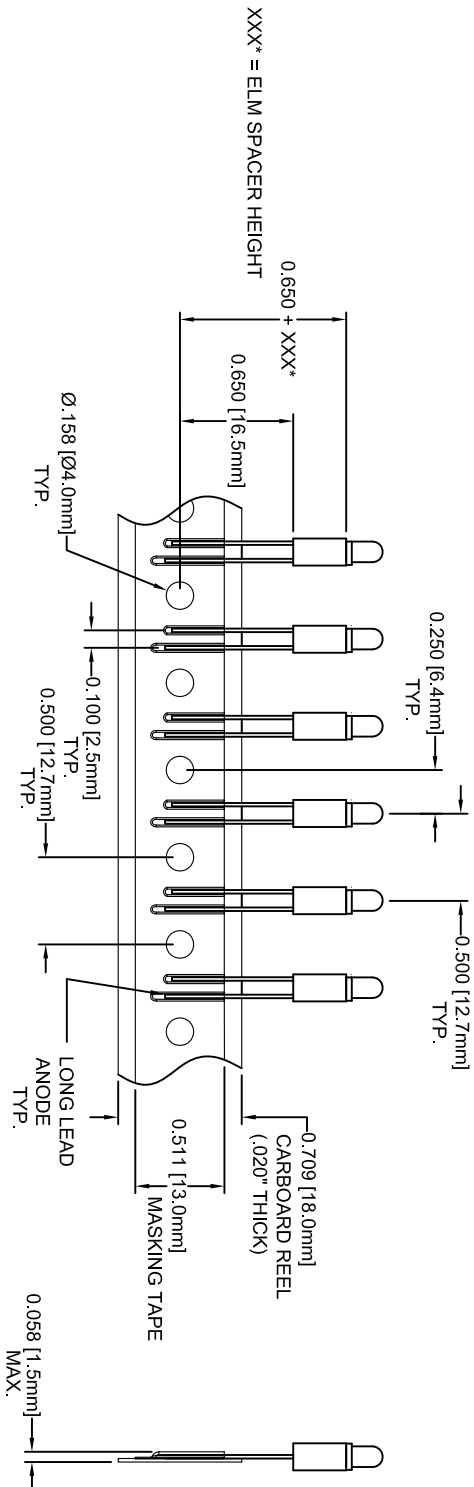
TITLE: EXTRUDED VERTICAL T-134 (5mm) LED NARROW PROFILE ASSY
 PART NO: ELM1XXX5XX
 CAGE CODE: 32559 SHEET # 4 OF 5

4 THOMAS, IRVINE, CA, 92618
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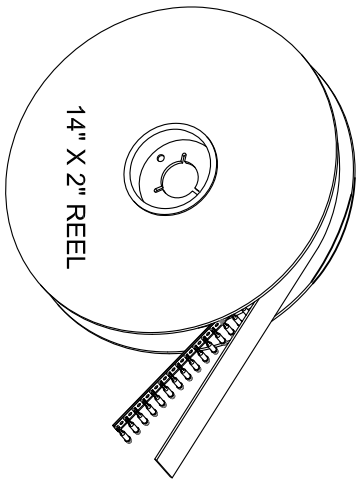
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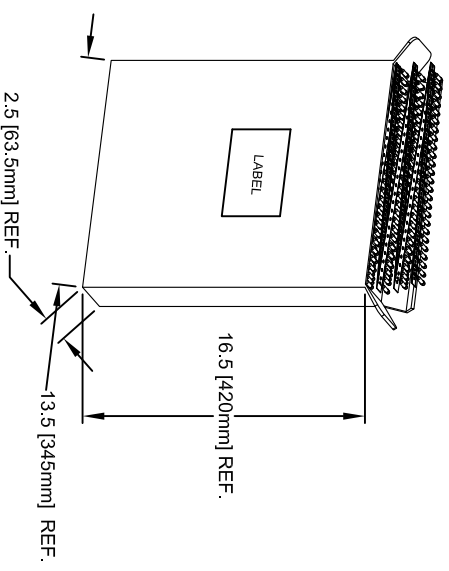
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		



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)		ANGULAR	
DECIMALS	ANGULAR	X° ± 1°	
.X ± .1			
.XX ± .02			
.XXX ± .010			
DESIGNED: Ty Yin	DATE: 03/10/04	TITLE: EXTRUDED VERTICAL T-1 (5mm) LED NARROW PROFILE ASSY	REVISION: N
CHECKED: David Green	DATE: 03/10/04	PART NO: ELM1XXX5XX	
		CAGE CODE : 32559	SHEET # 5 OF 5
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