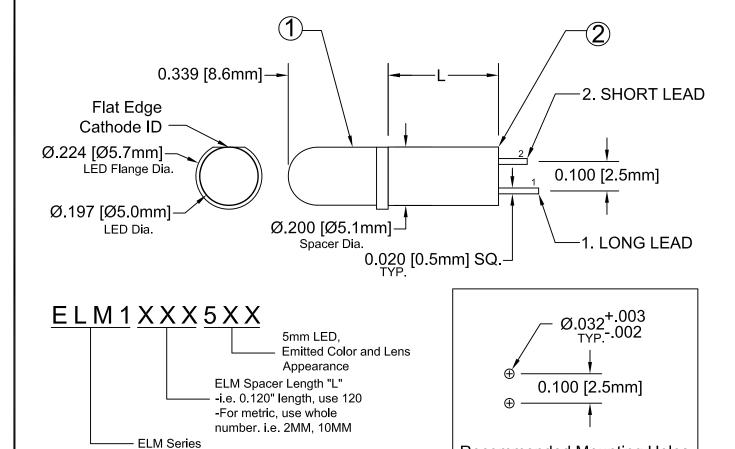
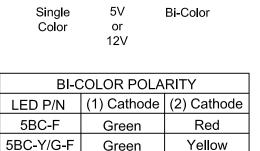
ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	5XX-F	T-1¾ (5mm) Flanged LED, See Pages 2 to 4
2	1	ELM 1-XXX	Extruded, Self-Retaining LED Spacer

Τ	REV.	DESCRIPTION	DATE	APPROVED
Γ	F	Updated Specs.	09/23/08	M.C.
ſ	G	Added P/N Designation Note.	07/22/09	T. Y.
Γ	Н	Added ELM12205SRDLT.	01/19/11	T. Y.
Γ	J	Added Tape & Reel Options.	06/06/11	T. Y.
Γ	K	Tape & Reel Design Update.	11/15/11	T. Y.
Γ	M	LED Offering List Update.	07/26/12	T. Y.
	Z	Removed LED Duplication From Offering List.	11/09/12	T. Y.
	Р	Corrected P/N Typo in BOM.	09/20/13	T. Y.



Recommended Mounting Holes



Green

Yellow

Green

Red

Amber

5BC-R/Y-F

5BC-A/G-F

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE REVERSE CURRENT -OPERATING TEMPERATURE RANGE _______ -25° C - 85° C STORAGE TEMPERATURE. LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) ______ 260° C FOR 5 SECONDS

STANDARD TOI (UNLESS OTHERWIS		RN	AP	®
DECIMALS .X ± .1 .XX ± .02	ANGULAR X° ± 1°	4 THOMAS, IRV: TEL: (949) 951-8808		
.XXX ± .010	$\oplus \Box$	TITLE: EXTRUDED (5mm) LED NARRON		
DESIGNED: Minh Doan	07/26/12	PART NO: ELM1X	XX5XX	REVISION:
CHECKED: T. Yin	07/26/12	CAGE CODE: 32559	SHEET# 1	OF 5
I. YIN	07/26/12	CAD GENERATED DOCUMENT, D	O NOT MEASURE	DRAWING.

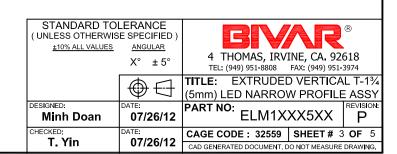
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

		Chip			Elec	tro-Optica	l Data @ 20)mA	Viewing	
LED Assy. No.		Peak		Lens	If	\	/f	lv	Angle	LED P/N
LED ASSY. NO.	Material	Wave	Emitted Color	Appearance	(mA)	(\	/)	(mcd)	201/2	LED P/N
		Length			MAX	TYP	MAX	TYP	(Deg)	
ELM1XXX5BWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	25	20	5BWC-F
ELM1XXX5BWD	GaN/SiC	430	BLUE	DIFFUSED	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	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	35	5YC-F
ELM1XXX5YD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	25	45	5YD-F
ELM1XXX5YT	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	35	5YT-F
ELM1XXX5AC	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	35	5AC-F
ELM1XXX5AD	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	45	5AD-F
ELM1XXX5AT	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	35	5AT-F
ELM1XXX5HC	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	40	35	5HC-F
ELM1XXX5HD	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	25	45	5HD-F
ELM1XXX5HT	GaAsP/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	GaAsP/GaP	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	EDC A/C F
ELIVITYYY2PC-A/G	GaP/GaP	568	GREEN	WHITE DIFFUSED	30	2.1	2.8	6	45	5BC-A/G-F
ELM1XXX5BC	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-F
ELIVITYYYODC	GaP/GaP	568	GREEN	WHITE DIFFUSED	30	2.1	2.8	8	45	SBC-F
ELM1XXX5BC-R/Y	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	ERC P/V F
ELIVITANADOC-R/Y	GaAsP/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-R/Y-F
ELM1XXX5BC-Y/G	GaAsP/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-Y/G-F
LLIVITAAADC-1/G	GaP/GaP	568	GREEN	WHILE DIFFOSED	30	2.1	2.8	8	45	JBC-1/G-F



REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

	Chip				Elec	tro-Optica	l Data @ 20)mA	Viewing	
LED Assy. No.		Peak	Emitted	Lens	If	\	/f	lv	Angle	LED P/N
LED Assy. IVO.	Material	Wave	Color	Appearance	(mA)	(\	/)	(mcd)	2θ%	LLD1714
		Length	COIOI		MAX	TYP	MAX	TYP	(Deg)	
EML1XXX5UBWC	InGaN/SiC	468	BLUE	WATER CLEAR	76	3.7	4.5	2500	15	5BWC2.515F
ELM1XXX5SGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC-F
ELM1XXX5SGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	40	5SGD-F
ELM1XXX5SGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT-F
ELM1XXX5SYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC-F
ELM1XXX5SYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	40	5SYD-F
ELM1XXX5SYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT-F
ELM1XXX5SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC-F
ELM1XXX5SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	5SRD-F
ELM1XXX5SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT-F
ELM1XXX5UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	400	35	5UGC-F
ELM1XXX5SUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC-F
ELM1XXX5UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC-F
ELM1XXX5SUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUYC-F
ELM1XXX5UUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC-F
ELM1XXX5UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC-F
ELM1XXX5UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC-F
ELM1XXX5URC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC-F
ELM1XXX5SURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC-F
ELM1XXX5UWC	InGaN/SiC	6500K	WHITE	WATER CLEAR	100	3.5	4.2	2700	30	5WC2.730F

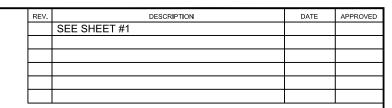


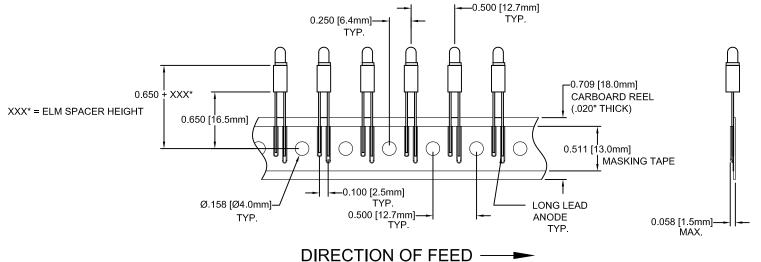
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

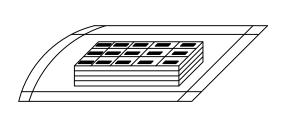
	Peak Wave			Max. Rating	Eectro-	Optical Data	@ 2m A	Viewing	
LED Assy. No.	Length λp(nm)	Emitted Color		If (mA)	Vf (V)		lv (mcd)	Angle 2 ⊕ ½	LED P/N
	λρ(ιιιι)			MAX	TYP	MAX	TYP	(Deg)	
ELM1XXX5BWDL	430	BLUE	DIFFUSED	7	3.8	4.2	4	40	5BWDL-F
ELM1XXX5PGDL	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	40	5PGDL-F
ELM1XXX5GDL	568	GREEN	DIFFUSED	7	2.1	2.6	4	40	5GDL-F
ELM1XXX5YDL	590	YELLOW	DIFFUSED	7	2.0	2.6	4	40	5YDL-F
ELM1XXX5ADL	605	AMBER	DIFFUSED	7	2.0	2.6	4	40	5ADL-F
ELM1XXX5HDL	625	HE RED	DIFFUSED	7	2.0	2.6	5	40	5HDL-F
ELM1XXX5SRDL	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	40	5SRDL-F

	Peak Wave			Е	lectro-O	otical Da	ta	Viewing	
Assembly P/N	Length	Emitted	Lens	lf	V	Vf		Angle	LED P/N
Assembly 1 /14	λp(nm)	Color	Appearance	(mA)	()	/)	(mcd)	2 01/2	LLD I /N
	Αρ(ιιιι)			MAX	TYP	MAX	TYP	(Deg)	
5 Volt				Data @	5V				
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

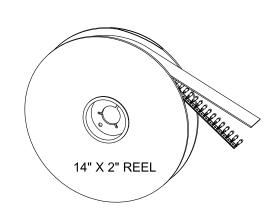




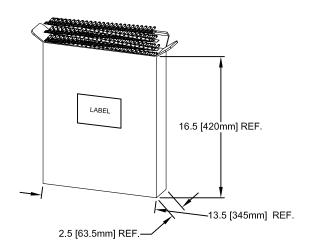








TAPE & REEL 1,000 pcs / reel



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 TO (UNLESS OTHERWIS		BV	AR	®
.X ± .1	X° ± 1°	4 THOMAS, IRV: TEL: (949) 951-8808		
.XXX ± .010	$\oplus \Box$	TITLE: EXTRUE (5mm) LED NARRO	ED VERTIC	
Ty Yin	03/10/04	PART NO: ELM1X>	X5XX	REVISION:
CHECKED: David Green	03/10/04	CAGE CODE: 32559	SHEET# 5	OF 5
David Green	03/10/04	CAD GENERATED DOCUMENT, D	O NOT MEASURE	DRAWING.