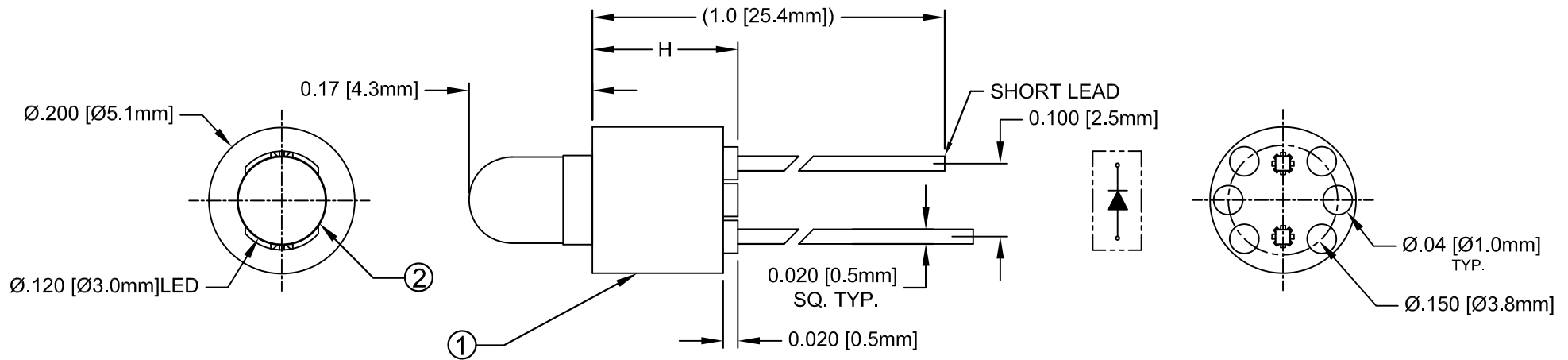


ITEM	QTY	PART NUMBER	PART DESCRIPTION
1	1	LTM-XXX	LED holder, Panel Mount, Press Fit (3mm)
2	1	3XX-S	T-1 (3mm) Shouldered LED, See page # 2

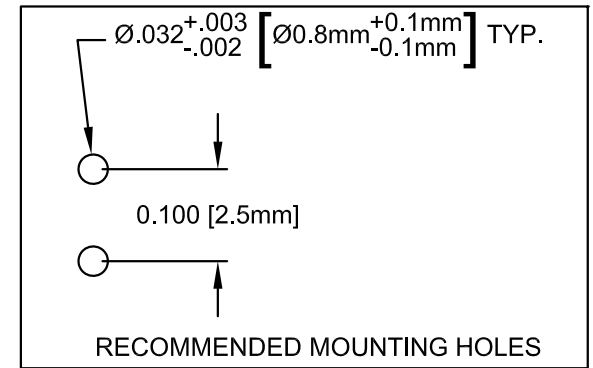
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	07/17/06	M. C.
B	LED Update	10/12/11	T. Y.



PART NO.	H
LTM-120	.120(3.1)
LTM-130	.130(3.3)
LTM-140	.140(3.6)
LTM-150	.150(3.8)
LTM-160	.160(4.1)
LTM-170	.170(4.3)
LTM-180	.180(4.6)
LTM-190	.190(4.8)
LTM-200	.200(5.1)
LTM-210	.210(5.3)
LTM-220	.220(5.6)
LTM-230	.230(5.8)
LTM-240	.240(6.1)
LTM-250	.250(6.4)
LTM-260	.260(6.6)
LTM-270	.270(6.9)
LTM-280	.280(7.1)
LTM-290	.290(7.4)

PART NO.	H
LTM-300	.300(7.6)
LTM-310	.310(7.9)
LTM-320	.320(8.1)
LTM-330	.330(8.4)
LTM-340	.340(8.6)
LTM-350	.350(8.9)
LTM-360	.360(9.1)
LTM-370	.370(9.4)
LTM-380	.380(9.7)
LTM-390	.390(9.9)
LTM-400	.400(10.2)
LTM-410	.410(10.4)
LTM-420	.420(10.7)
LTM-430	.430(10.9)
LTM-440	.440(11.2)
LTM-450	.450(11.4)
LTM-460	.460(11.7)
LTM-480	.480(12.2)

PART NO.	H
LTM-490	.490(12.5)
LTM-500	.500(12.7)
LTM-520	.520(13.2)
LTM-550	.550(14.0)
LTM-570	.570(14.5)
LTM-600	.600(15.2)
LTM-620	.620(15.8)
LTM-650	.650(16.5)
LTM-670	.670(17.0)
LTM-700	.700(17.8)
LTM-720	.720(18.3)
LTM-750	.750(19.1)
LTM-770	.770(19.6)
LTM-800	.800(20.3)
LTM-820	.820(20.8)
LTM-850	.850(21.6)
LTM-870	.870(22.1)
LTM-900	.900(22.9)





## 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)		BIVAR®	
DECIMALS	ANGULAR	4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
.X ± .1	X° ± 1°	<b>TITLE:</b> MOLDED, SELF-RETAINING LED MOUNT <b>PART NO:</b> LTMXXX3XX <b>REVISION:</b> B	
.XX ± .02			
.XXX ± .005			
DESIGNED: <b>Sonny Dam</b>	DATE: <b>07/17/06</b>	<b>CAGE CODE : 32559</b>	<b>SHEET # 1 OF 3</b>
CHECKED: <b>T. Yin</b>	DATE: <b>07/17/06</b>	CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	


LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA			Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
LTMXXX3BWC	GaN/SiC	430	BLUE	WATER CLEAR	4.0	4.5	25	30	3BWC-S
LTMXXX3BWD	GaN/SiC	430	BLUE	DIFFUSED	4.0	4.5	10	40	3BWD-S
LTMXXX3BWT	GaN/SiC	430	BLUE	TINTED	4.0	4.5	25	30	3BWT-S
LTMXXX3PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	2.2	2.8	10	30	3PGC-S
LTMXXX3PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	2.2	2.8	5	40	3PGD-S
LTMXXX3PGT	GaP/GaP	555	PURE GREEN	TINTED	2.2	2.8	10	30	3PGT-S
LTMXXX3GC	GaP/GaP	568	GREEN	WATER CLEAR	2.1	2.8	40	30	3GC-S
LTMXXX3GD	GaP/GaP	568	GREEN	DIFFUSED	2.1	2.8	25	40	3GD-S
LTMXXX3GT	GaP/GaP	568	GREEN	TINTED	2.1	2.8	40	30	3GT-S
LTMXXX3SGC	GaP/GaP	568	SUPER GREEN	WATER CLEAR	2.1	2.8	50	30	3SGC-S
LTMXXX3SGD	GaP/GaP	568	SUPER GREEN	DIFFUSED	2.1	2.8	30	40	3SGD-S
LTMXXX3SGT	GaP/GaP	568	SUPER GREEN	TINTED	2.1	2.8	50	30	3SGT-S
LTMXXX3YC	GaAsP/GaP	590	YELLOW	WATER CLEAR	2.0	2.8	40	30	3YC-S
LTMXXX3YD	GaAsP/GaP	590	YELLOW	DIFFUSED	2.0	2.8	20	40	3YD-S
LTMXXX3YT	GaAsP/GaP	590	YELLOW	TINTED	2.0	2.8	40	30	3YT-S
LTMXXX3AC	GaAsP/GaP	605	AMBER	WATER CLEAR	2.0	2.8	40	30	3AC-S
LTMXXX3AD	GaAsP/GaP	605	AMBER	DIFFUSED	2.0	2.8	25	40	3AD-S
LTMXXX3AT	GaAsP/GaP	605	AMBER	TINTED	2.0	2.8	40	30	3AT-S
LTMXXX3SAC	AlGaInP	605	SUPER AMBER	WATER CLEAR	1.8	2.4	300	30	3SAC-S
LTMXXX3SAD	AlGaInP	605	SUPER AMBER	DIFFUSED	1.8	2.4	100	40	3SAD-S
LTMXXX3SAT	AlGaInP	605	SUPER AMBER	TINTED	1.8	2.4	300	30	3SAT-S
LTMXXX3HC	GaAsP/GaP	625	HE RED	WATER CLEAR	2.0	2.8	50	30	3HC-S
LTMXXX3HD	GaAsP/GaP	625	HE RED	DIFFUSED	2.0	2.8	30	40	3HD-S
LTMXXX3HT	GaAsP/GaP	625	HE RED	TINTED	2.0	2.8	50	30	3HT-S
LTMXXX3SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	1.7	2.4	60	30	3SRC-S
LTMXXX3SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	1.7	2.4	40	40	3SRD-S
LTMXXX3SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	1.7	2.4	60	30	3SRT-S
LTMXXX3RC	GaP/GaP	700	RED	WATER CLEAR	2.1	2.8	2.5	30	3RC-S
LTMXXX3RD	GaP/GaP	700	RED	DIFFUSED	2.1	2.8	2	40	3RD-S
LTMXXX3RT	GaP/GaP	700	RED	TINTED	2.1	2.8	2.5	30	3RT-S
LTMXXX3SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	1.7	2.4	60	30	3SRC-S
LTMXXX3SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	1.7	2.4	40	40	3SRD-S
LTMXXX3SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	1.7	2.4	60	30	3SRT-S

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) 10% All Values		 <b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° ± 1°			
		TITLE: Molded, Self-Retaining LED Mount	
DESIGNED: <b>Sonny Dam</b>	DATE: <b>07/17/06</b>	PART NO: <b>LTMXXX3XX</b>	REVISION: <b>B</b>
CHECKED: <b>T. Yin</b>	DATE: <b>07/17/06</b>	CAGE CODE : <b>32559</b>	SHEET # <b>2 OF 3</b>
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	See Page 1		

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 2mA			Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
LTMXXX3BWDL	GaN/siC	430	BLUE	DIFFUSED	3.8	4.2	2.5	40	3BWDL-S
LTMXXX3GD5L	GaP/GaP	568	GREEN	DIFFUSED	2.1	2.6	2	40	3GD5L-S
LTMXXX3PGDL	GaP/GaP	555	PURE GREEN	DIFFUSED	2.1	2.6	0.2	40	3PGDL-S
LTMXXX3YDL	GaAsP/GaP	590	YELLOW	DIFFUSED	2.0	2.6	2	40	3YDL-S
LTMXXX3ADL	GaAsP/GaP	605	AMBER	DIFFUSED	2.0	2.6	4	40	3ADL-S
LTMXXX3HDL	GaAsP/GaP	625	HE RED	DIFFUSED	2.0	2.6	2.5	40	3HDL-S
LTMXXX3RDL	GaP/GaP	700	RED	DIFFUSED	2.1	2.6	0.5	40	3RDL-S

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 5V			Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
LTMXXX3GC5V	GaP/GaP	568	GREEN	WATER CLEAR	/	5.0	40	30	3GC5V-S
LTMXXX3GD5V	GaP/GaP	568	GREEN	DIFFUSED	/	5.0	25	40	3GD5V-S
LTMXXX3GT5V	GaP/GaP	568	GREEN	TINTED	/	5.0	40	30	3GT5V-S
LTMXXX3YD5V	GaAsP/GaP	590	YELLOW	DIFFUSED	/	5.0	20	40	3YD5V-S
LTMXXX3AD5V	GaAsP/GaP	605	AMBER	DIFFUSED	/	5.0	25	40	3AD5V-S
LTMXXX3HD5V	GaAsP/GaP	625	HE RED	DIFFUSED	/	5.0	30	40	3HD5V-S
LTMXXX3RD5V	GaP/GaP	700	RED	DIFFUSED	/	5.0	2	40	3RD5V-S

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) 10% All Values		 <b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR $X^{\circ} \pm 1^{\circ}$		<b>TITLE:</b> Molded, Self-Retaining LED Mount	
DESIGNED: <b>Sonny Dam</b>	DATE: <b>07/17/06</b>	<b>PART NO:</b> LTMXXX3XX	REVISION: <b>B</b>
CHECKED: <b>T. Yin</b>	DATE: <b>07/17/06</b>	<b>CAGE CODE :</b> 32559	<b>SHEET #</b> 3 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			