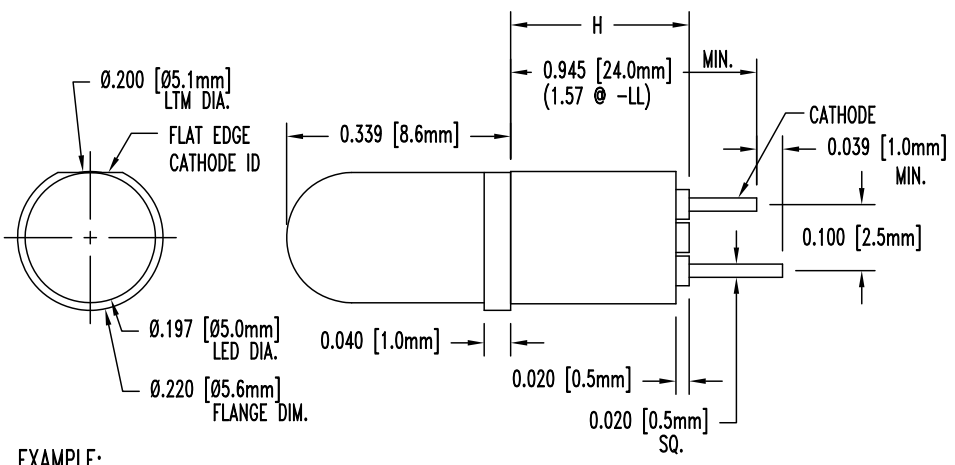


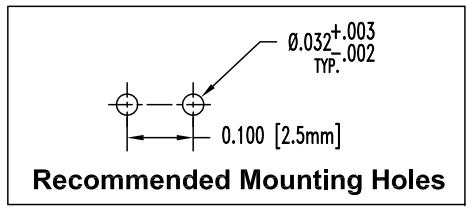
| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION |
|------|------|-------------|---|
| 1 | 1 | LTM-XXX | MOLDED, SELF-RETAINING LED MOUNT |
| 2 | 1 | 5XX-F | T-1 3/4 (5mm) FLANGED LED, SEE PAGES 2-4. |

| REV | DESCRIPTION | DATE | APPROVED |
|-----|----------------------|----------|----------|
| A | ENGINEERING RELEASE. | 09/30/03 | MC |
| B | LED DATA UPDATE | 07/28/10 | T.Y. |

| PART NO. | H | PART NO. | H | PART NO. | H |
|----------|-----------|----------|------------|----------|------------|
| LTM-120 | .120(3.1) | LTM-300 | .300(7.6) | LTM-490 | .490(12.5) |
| LTM-130 | .130(3.3) | LTM-310 | .310(7.9) | LTM-500 | .500(12.7) |
| LTM-140 | .140(3.6) | LTM-320 | .320(8.1) | LTM-520 | .520(13.2) |
| LTM-150 | .150(3.8) | LTM-330 | .330(8.4) | LTM-550 | .550(14.0) |
| LTM-160 | .160(4.1) | LTM-340 | .340(8.6) | LTM-570 | .570(14.5) |
| LTM-170 | .170(4.3) | LTM-350 | .350(8.9) | LTM-600 | .600(15.2) |
| LTM-180 | .180(4.6) | LTM-360 | .360(9.1) | LTM-620 | .620(15.8) |
| LTM-190 | .190(4.8) | LTM-370 | .370(9.4) | LTM-650 | .650(16.5) |
| LTM-200 | .200(5.1) | LTM-380 | .380(9.7) | LTM-670 | .670(17.0) |
| LTM-210 | .210(5.3) | LTM-390 | .390(9.9) | LTM-700 | .700(17.8) |
| LTM-220 | .220(5.6) | LTM-400 | .400(10.2) | LTM-720 | .720(18.3) |
| LTM-230 | .230(5.8) | LTM-410 | .410(10.4) | LTM-750 | .750(19.1) |
| LTM-240 | .240(6.1) | LTM-420 | .420(10.7) | LTM-770 | .770(19.6) |
| LTM-250 | .250(6.4) | LTM-430 | .430(10.9) | LTM-800 | .800(20.3) |
| LTM-260 | .260(6.6) | LTM-440 | .440(11.2) | LTM-820 | .820(20.8) |
| LTM-270 | .270(6.9) | LTM-450 | .450(11.4) | LTM-850 | .850(21.6) |
| LTM-280 | .280(7.1) | LTM-460 | .460(11.7) | LTM-870 | .870(22.1) |
| LTM-290 | .290(7.4) | LTM-480 | .480(12.2) | LTM-900 | .900(22.9) |



EXAMPLE:
LTM5005GD
 LED Color & Lens Appearance. Omit -F when ordering.
 LTM Height "H"
 Series
 *Add "-LL" for long leads



ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

REVERSE VOLTAGE _____ 5V

REVERSE CURRENT (V_r=5V) _____ 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

| | | | |
|---|-----------------|--|----------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES | | 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974 | |
| TOLERANCES | | | |
| DECIMALS | ANGULAR | PART NAME: MOLDED SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY | |
| .X ± .1 | X' ± 1' | DESIGNER | DATE |
| .XX ± .02 | | DAVID GREEN | 09/30/03 |
| .XXX ± .010 | | CHECKER | DATE |
| | | M CHEN | 09/30/03 |
| SIZE | DWG NAME | DWG NO. | REV |
| A | | LTMXXXSXX | B |
| SCALE 1=1 | CAGE CODE 32559 | SHEET 1 OF 3 | |



| REV | DESCRIPTION | DATE | APPROVED |
|-----|---------------|------|----------|
| | SEE SHEET #1. | | |

| LED Assy. No. | Peak Wave Length λ_p (nm) | Emitted Color | Lens Appearance | Electro-Optical Data | | | | Viewing Angle $2\theta_{1/2}$ (Deg) | LED P/N |
|-----------------|-----------------------------------|---------------|-----------------|----------------------|--------------------|-----|----------------------|-------------------------------------|---------|
| | | | | I _f (mA) | V _f (V) | | I _v (mcd) | | |
| | | | | MAX | TYP | MAX | TYP | | |
| STANDARD | | | | Data @ 20mA | | | | | |
| LTMXX5AC | 605 | AMBER | WATER CLEAR | 30 | 2.0 | 2.8 | 40 | 35 | 5AC-F |
| LTMXX5AD | 605 | | DIFFUSED | 30 | 2.0 | 2.8 | 25 | 40 | 5AD-F |
| LTMXX5AT | 605 | | TINTED | 30 | 2.0 | 2.8 | 40 | 35 | 5AT-F |
| LTMXX5BWC | 430 | BLUE | WATER CLEAR | 25 | 4.0 | 4.5 | 30 | 25 | 5BWC-F |
| LTMXX5BWD | 430 | | DIFFUSED | 25 | 4.0 | 4.5 | 15 | 40 | 5BWD-F |
| LTMXX5BWT | 430 | | TINTED | 25 | 4.0 | 4.5 | 30 | 25 | 5BWT-F |
| LTMXX5GC | 568 | GREEN | WATER CLEAR | 30 | 2.1 | 2.8 | 40 | 35 | 5GC-F |
| LTMXX5GD | 568 | | DIFFUSED | 30 | 2.1 | 2.8 | 25 | 40 | 5GD-F |
| LTMXX5GT | 568 | | TINTED | 30 | 2.1 | 2.8 | 40 | 35 | 5GT-F |
| LTMXX5HC | 625 | HE RED | WATER CLEAR | 30 | 2.0 | 2.8 | 50 | 35 | 5HC-F |
| LTMXX5HD | 625 | | DIFFUSED | 30 | 2.0 | 2.8 | 40 | 40 | 5HD-F |
| LTMXX5HT | 625 | | TINTED | 30 | 2.0 | 2.8 | 50 | 35 | 5HT-F |
| LTMXX5PGC | 555 | PURE GREEN | WATER CLEAR | 30 | 2.2 | 2.8 | 10 | 35 | 5PGC-F |
| LTMXX5PGD | 555 | | DIFFUSED | 30 | 2.2 | 2.8 | 10 | 40 | 5PGD-F |
| LTMXX5PGT | 555 | | TINTED | 30 | 2.2 | 2.8 | 10 | 35 | 5PGT-F |
| LTMXX5RC | 700 | RED | WATER CLEAR | 20 | 2.1 | 2.8 | 2 | 35 | 5RC-F |
| LTMXX5RD | 700 | | DIFFUSED | 20 | 2.1 | 2.8 | 1.5 | 40 | 5RD-F |
| LTMXX5RT | 700 | | TINTED | 20 | 2.1 | 2.8 | 2 | 35 | 5RT-F |
| LTMXX5YC | 590 | YELLOW | WATER CLEAR | 30 | 2.0 | 2.8 | 40 | 35 | 5YC-F |
| LTMXX5YD | 590 | | DIFFUSED | 30 | 2.0 | 2.8 | 25 | 40 | 5YD-F |
| LTMXX5YT | 590 | | TINTED | 30 | 2.0 | 2.8 | 40 | 35 | 5YT-F |

| | | | | |
|---|------------------|---|--------------------|-----------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES | |  4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974 | | |
| TOLERANCES DECIMALS ANGULAR | | | | |
|  | | PART NAME: MOLDED SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY | | |
| | | DESIGNER DAVID GREEN | DATE 09/30/03 | SIZE A |
| CHECKER M CHEN | DATE 09/30/03 | SCALE 1=1 | CAGE CODE 32559 | REV B |
| | | SHEET 2 OF 3 | | |

| REV | DESCRIPTION | DATE | APPROVED |
|-----|---------------|------|----------|
| | SEE SHEET #1. | | |
| | | | |

| LED Assy. No. | Peak Wave Length λ_p (nm) | Emitted Color | Lens Appearance | Electro-Optical Data | | | Viewing Angle $2\theta \frac{1}{2}$ (Deg) | LED P/N |
|--------------------|--------------------------------------|---------------|-----------------|----------------------|-----|----------|---|----------|
| | | | | Vf (V) | | Iv (mcd) | | |
| | | | | TYP | MAX | TYP | | |
| LOW CURRENT | | | | Data @ 2mA | | | | |
| LTMXXX5ADL | 605 | AMBER | DIFFUSED | 2.0 | 2.6 | 4 | 40 | 5ADL-F |
| LTMXXX5BWDL | 430 | BLUE | DIFFUSED | 3.8 | 4.2 | 4 | 40 | 5BWDL-F |
| LTMXXX5GDL | 568 | GREEN | DIFFUSED | 2.1 | 2.6 | 4 | 40 | 5GDL-F |
| LTMXXX5HDL | 625 | HE RED | DIFFUSED | 2.0 | 2.6 | 5 | 40 | 5HDL-F |
| LTMXXX5PGDL | 555 | PURE GREEN | DIFFUSED | 2.1 | 2.6 | 1 | 40 | 5PGDL-F |
| LTMXXX5SRDL | 645 | RED | DIFFUSED | 1.7 | 2.3 | 6 | 40 | 5SRDL-F |
| LTMXXX5YDL | 590 | YELLOW | DIFFUSED | 2.0 | 2.6 | 4 | 40 | 3YDL-F |
| 5 VOLT | | | | Data @ 5V | | | | |
| LTMXXX5AD5V | 605 | AMBER | DIFFUSED | - | 5.0 | 25 | 40 | 5AD5V-F |
| LTMXXX5BWD5V | 430 | BLUE | DIFFUSED | - | 5.0 | 15 | 40 | 5BWD5V-F |
| LTMXXX5GD5V | 568 | GREEN | DIFFUSED | - | 5.0 | 25 | 40 | 5GD5V-F |
| LTMXXX5HD5V | 625 | HE RED | DIFFUSED | - | 5.0 | 30 | 40 | 5HD5V-F |
| LTMXXX5RD5V | 700 | RED | DIFFUSED | - | 5.0 | 1.5 | 40 | 5RD5V-F |
| LTMXXX5YD5V | 590 | YELLOW | DIFFUSED | - | 5.0 | 25 | 40 | 5YD5V-F |

| | | | |
|---|------------------|---|----------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES | |  Bivar [®] 4 THOMAS, IRVINE, CA.92618 TEL: (949) 951-8808 FAX: (949) 951-3974 | |
| TOLERANCES DECIMALS ANGULAR | | | |
|  | | PART NAME: MOLDED SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY | |
| DESIGNER DAVID GREEN | DATE 09/30/03 | SIZE A | DWG NO. LTMXXX5XX |
| CHECKER M CHEN | DATE 09/30/03 | SCALE 1=1 | REV B |
| | | CAGE CODE 32559 | SHEET 3 OF 3 |