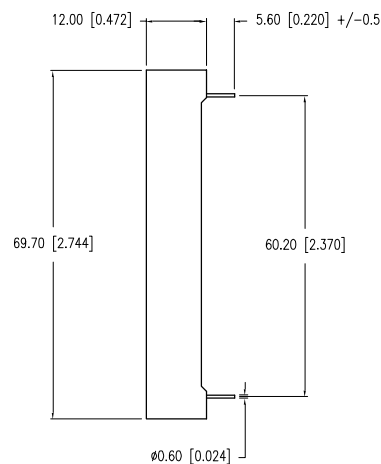
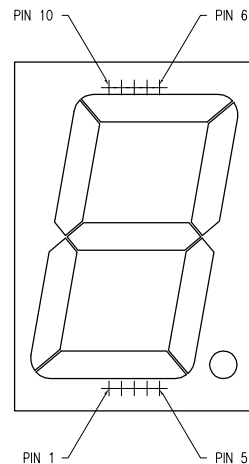
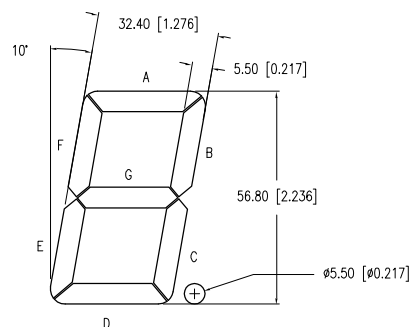


## CHARACTER DETAIL

ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$ 

| PARAMETER         | MIN                  | TYP       | MAX     | UNITS          | TEST COND              |
|-------------------|----------------------|-----------|---------|----------------|------------------------|
| PEAK WAVELENGTH   |                      | 650 (RED) |         | nm             |                        |
| FORWARD VOLTAGE * |                      | 3.8/1.9   | 4.8/2.4 | $V_f$          |                        |
| REVERSE VOLTAGE   | 10                   |           |         | $V_r$          | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY   |                      | 55000     |         | $\mu\text{cd}$ | $I_f = 20\text{mA}$    |
| EMITTED COLOR:    | RED                  |           |         |                |                        |
| FACE COLOR:       | GRAY                 |           |         |                |                        |
| SEGMENT COLOR:    | MILKY WHITE DIFFUSED |           |         |                |                        |

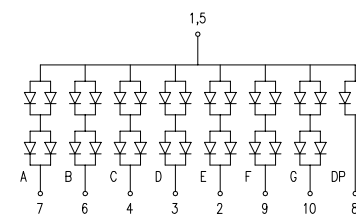
\*2nd VALUE FOR DECIMAL POINT, PIN 8

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 105        | mA                   |
| STEADY CURRENT                 | 40/20      | mA                   |
| POWER DISSIPATION              | 420        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -35 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3          | SEC. MAX             |

\*  $t < 10\mu\text{s}$ 

## POLARITY DIAGRAM



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $x = \pm 1$  ( $\pm 0.039$ ),  $x.x = \pm 0.5$  ( $\pm 0.020$ ),  $x.xx = \pm 0.25$  ( $\pm 0.010$ ),  $x.xxx = \pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE  $= \pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH  $= \pm 0.75$  ( $\pm 0.030$ ). MIN =  $\frac{+ \text{DECIMAL PRECISION}}{-0.00}$  MAX =  $\frac{+0.00}{- \text{DECIMAL PRECISION}}$  UNCONTROLLED DOCUMENT



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2.3" SINGLE DIGIT, SEVEN SEGMENT DISPLAY 650nm RED CHIP GRAY FACE, MILKY WHITE DIFF. SEG. COM. ANDE.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|                 |              |
|-----------------|--------------|
| DATE: 06.14.10  | DRAWN BY: MP |
| PAGE: 1 OF 1    | CHKD BY: KF  |
| SCALE: N/A      | APRVD BY: BC |
| UNIT: mm [INCH] | (P)          |