

MICRO ELECTRONICS

2021-1G
 (ME2021-1G)
LED BACKLIGHT
FOR LCD DISPLAY

ABSOLUTE MAXIMUM RATINGS

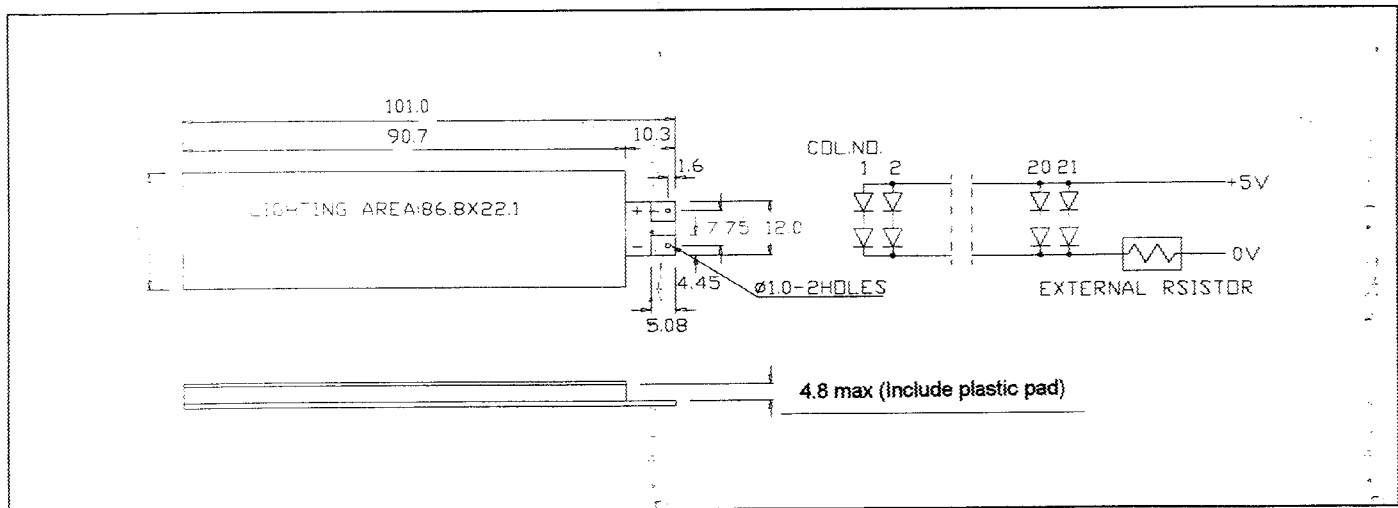
| | | |
|-----------------------|-----------|--------------|
| Forward Current | I_F | 420mA |
| Reverse Voltage | V_R | 10V |
| Operating Temperature | T_{opr} | -20 to +70°C |
| Storage Temperature | T_{stg} | -30 to +80°C |

ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNIT | CONDITIONS |
|--------------------------|-----------------|-----|-----|-----|-----------------|--------------------|
| Forward Voltage | V_F | 3.8 | 4.1 | 4.4 | V | $I_F=210\text{mA}$ |
| Reverse Current | I_R | | | 210 | μA | $V_R=10\text{V}$ |
| Peak Wavelength | λ_p | | 565 | | nm | $I_F=210\text{mA}$ |
| Spectral Line Half Width | $\Delta\lambda$ | | 40 | | nm | $I_F=210\text{mA}$ |
| Brightness | B | 60 | | | cd/m^2 | $I_F=210\text{mA}$ |

MECHANICAL OUTLINE

CIRCUIT DIAGRAM



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