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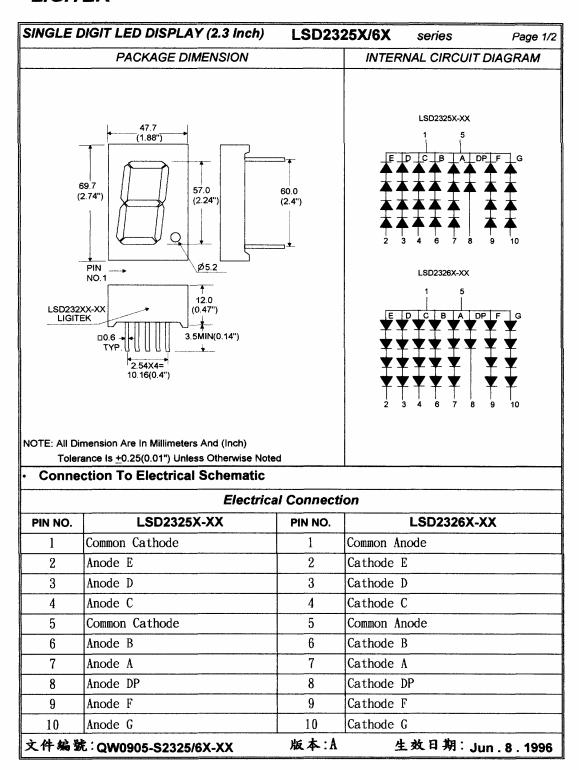


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## Jameco Part Number 97201

## LIGITEK



## SINGLE DIGIT LED DISPLAY (2.3 Inch) LSD2325/6X series Page 2/2 Part Selection And Application Information (Ratings At 25°C Ambient) common λP Δλ Electrical cathode CHIP **PART NO** (nm) (nm) IV-M Vf(v) Iv(mcd) or anode material Min Typ. Min emitted Max Тур. GaAlAs LSD23255-XX Red 660 20 $1.5 \mid 1.7$ 2.4 12 21 2:1 1.7 2.1 GaP 697 90 2.8 4.8 LSD23251-XX Red 8.0 2:1 Common LSD23252-XX GaP Green 565 30 $1.7 \mid 2.1 \mid 2.8$ 9.616 2:1 Cathode LSD23253-XX GaAsP/GaP Yellow 585 35 1.7 2.0 | 2.88.4 14 2:1 635 $1.7 \mid 2.0 \mid 2.8$ LSD23254-XX GaAsP/GaP 45 9.616 2:1 Orange 20 1.7 LSD23265-XX GaAlAs 660 1.5 2.412 21 2:1 Red LSD23261-XX GaP Red 697 90 1.7 | 2.1 |2.8 4.8 8.0 2:1 Common GaP $1.7 \mid 2.1$ 2.8 9.6 2:1 LSD23262-XX Green 565 30 16 Anode LSD23263-XX GaAsP/GaP 35 1.7| $2.0 \mid 2.8$ 8.4 Yellow 585 14 2:1 LSD23264-XX GaAsP/GaP 635 45 $1.7 \mid 2.0 \mid 2.8$ 9.616 2:1 Orange Absolute Maximum Rating (Ta=25°C) Orange Green Yellow **Parameter** Red Unit Remark G Y Forward Current Per Chip SR Н Ε 30 40 15 20 30 mΑ Peak Current Per Chip (Duty 60 120 200 80 120 mΑ 1/10, 0.1MS Pulse Width) Power Dissipation Per Chip 110 100 100 mW 45 85 Derating Linear From 25°C Per mA/ ºC 0.450.25 0.450.450.45 Chip Reverse Current Per Any Chip 10 10 10 10 μΑ -25°C TO +85°C Operating Temperature $-25^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$ Storage Temperature Solder Temperature 1/16 Inch Below Seating Plane For 3 Seconds At 260°C **Test Condition For Each Parameter** Parameter **Symbol** Unit **Test Condition** Forward Voltage Per Chip ۷f If=20mA volt Luminous Intensity Per Chip Ιv If=10mA mcd λР If=20mA Peak Emission Wavelength nm Δλ If=20mA Spectral Line Half-Width nm Vr=5V Reverse Current Any Chip Ir μΑ IV-M Luminous Intensity Matching Ratio