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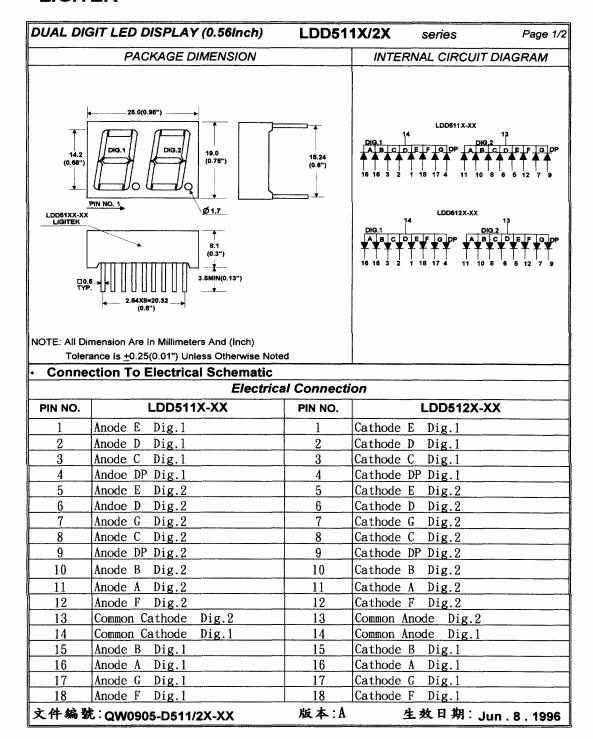


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Jameco Part Number 24707

LIGITEK



LDD511X/2X **DOUBLE DIGIT LED DISPLAY (0.56 Inch)** series Page 2/2 Part Selection And Application Information (Ratings At 25°C Ambient) common λР Δλ Electrical cathode **PART NO CHIP** (nm) (nm) IV-M Vf(v) Iv(mcd) or anode material emitted Min Typ. Max Min Typ. 660 20 2.4 1.9° LDD5115-XX GaAlAs 1.5 1.7 3.1 2:1 Red LDD5111-XX GaP 697 90 1.7 2.1 2.8 0.5 2:1 Red 0.8 Common LDD5112-XX GaP 565 30 1.7 2.1 | 2.8 | 1.4 Green 2.42:1 Cathode GaAsP/GaP Yellow 585 35 1.7 2.0 | 2.8 |1.3 2.22:1 LDD5113-XX 1.7 635 45 2.0 | 2.8 |LDD5114-XX GaAsP/GaP 1.4 2.42:1 Orange LDD5125-XX GaAlAs 660 20 1.5 1.7 | 2.4 |1.9 Red 3.1 2:1 LDD5121-XX GaP 697 90 1.7 2.1 2.8 0.50.82:1 Red Common 1.7 2.1 | 2.8 |GaP 565 30 1.4 2.42:1 LDD5122-XX Green Anode 1.7 2.0 | 2.8 |1.3 LDD5123-XX GaAsP/GaP 585 35 2.22:1 Yellow LDD5124-XX GaAsP/GaP Orange 635 45 1.7 2.0 | 2.81.4 2.4 2:1 Absolute Maximum Rating (Ta=25°C) Parameter Red Green Yellow Orange Unit Remark Y Ε SR Н G Forward Current Per Chip 40 15 30 20 30 mΑ Peak Current Per Chip (Duty 200 60 120 120 mΑ 80 1/10, 0.1MS Pulse Width) 45 100 100 mW Power Dissipation Per Chip 110 85 Derating Linear From 25°C Per mA/ ⁰C 0.450.25 0.45 0.45 0.45Chip Reverse Current Per Any Chip 10 10 10 10 μΑ -25°C TO +85°C Operating Temperature -25°C TO +85°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** ۷f If=20mA Forward Voltage Per Chip volt Ιv If=10mA Luminous Intensity Per Chip mcd Peak Emission Wavelength λP If=20mA nm Spectral Line Half-Width Δλ If=20mA nm

Ir

IV-M

μΑ

Reverse Current Any Chip

Luminous Intensity Matching Ratio

Vr=5V