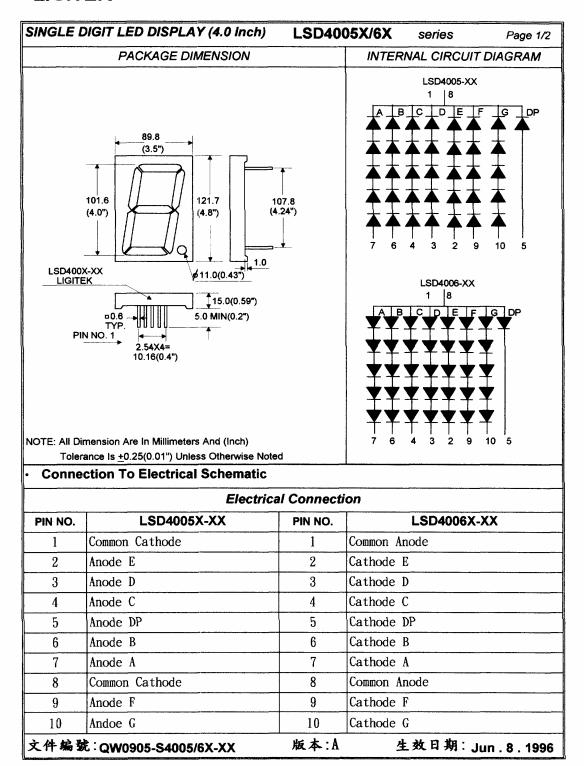
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LIGITEK



SINGLE DIGIT LED DISPLAY (4.0 Inch) LSD4005/6X series Page 2/2 Part Selection And Application Information (Ratings At 25°C Ambient) common λР Δλ Electrical cathode CHIP **PART NO** IV-M (nm) (nm) Vf(v) Iv(mcd) or anode material emitted Min Typ. Max Min Тур. GaAlAs 660 20 $1.5 \mid 1.7$ LSD40055-XX Red 2.414 23 2:190 1.72.1 | 2.8 |GaP 697 5.42:1 9.0LSD40051-XX Red Common 30 1.7LSD40052-XX GaP Green 565 2.1 |2.811 18 2:1 Cathode 1.7 GaAsP/GaP LSD40053-XX Yellow 585 35 $2.0 \mid 2.8$ 10 17 2:1 635 45 $1.7 \mid 2.0 \mid 2.8$ 2:1 LSD40054-XX GaAsP/GaP 11 18 Orange 20 1.7 | 2.41.5 14 23 2:1 LSD40065-XX GaAlAs Red 660 LSD40061-XX GaP Red 697 90 1.7 2.12.8 5.4 9.0 2:1 Common GaP 565 30 1.7 $2.1 \mid 2.8$ 11 18 2:1 LSD40062-XX Green Anode 585 35 1.7 2.0 | 2.810 17 2:1 GaAsP/GaP LSD40063-XX Yellow 1.7 2.0 | 2.811 2:1 LSD40064-XX GaAsP/GaP 635 45 18 Orange Absolute Maximum Rating (Ta=25°C) Green Yellow Red Orange Unit Remark **Parameter** Y SR Н G Ε Forward Current Per Chip 15 30 20 30 mΑ 40 Peak Current Per Chip (Duty 200 60 120 80 120 mA 1/10, 0.1MS Pulse Width) Power Dissipation Per Chip 110 45 100 85 100 mW Derating Linear From 25°C Per mA/ ºC 0.45 0.25 0.450.450.45 Chip 10 10 10 μΑ Reverse Current Per Any Chip 10 -25°C TO +85°C Operating Temperature $-25^{\circ}C$ TO $+85^{\circ}C$ Storage Temperature Solder Temperature 1/16 Inch Below Seating Plane For 3 Seconds At 260°C **Test Condition For Each Parameter Symbol Test Condition Parameter** Unit Forward Voltage Per Chip ۷f volt If=20mA lf=10mA Luminous Intensity Per Chip Ivmcd λP If=20mA Peak Emission Wavelength nm

Δλ

Ir

IV-M

nm

μΑ

Spectral Line Half-Width

Reverse Current Any Chip

Luminous Intensity Matching Ratio

If=20mA

Vr=5V