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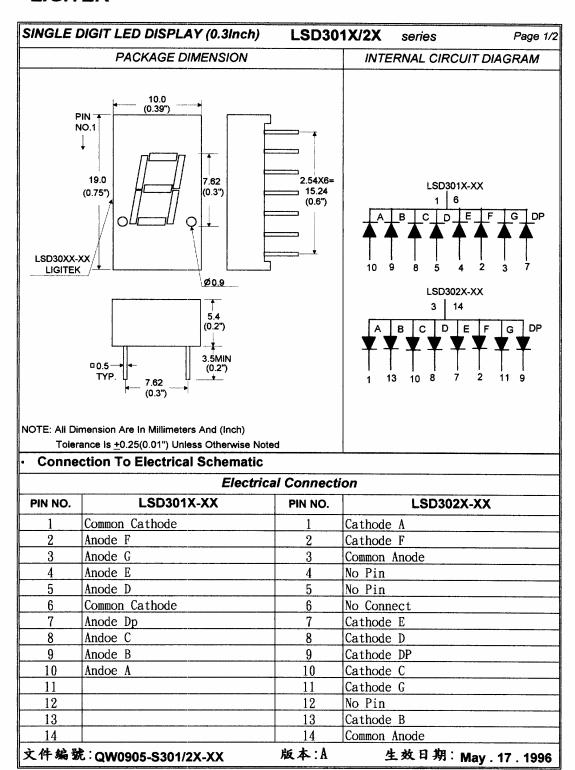


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Jameco Part Number 24731

LIGITEK



SINGLE DIGIT LED DISPLAY (0.3Inch)

LSD301/2X

series

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Part Selection And Application Information (Ratings At 25°C Ambient)

			common	λР	Δλ						
PART NO	CHI	Ρ	cathode or anode	(nm)	(nm)	Vf(v)			lv(mcd)		IV-M
	Material	Emitted				Min	Тур.	Max	Min	Тур.	
LSD3015-XX	GaAlAs	Red		660	20	1.5	1.7	2.1	0.3	0.5	2:1
LSD3011-XX	GaP	Red	Common	697	90	1.7	1.9	2.2	0.5	0.8	2:1
LSD3012-XX	GaP	Green	Cathode	565	30	1.7	1.9	2.2	1.2	2.0	2:1
LSD3013-XX	GaAsP/GaP	Yellow		585	35	1.7	1.9	2.2	1.1	1.8	2:1
LSD3014-XX	GaAsP/GaP	Orange		635	45	1.7	1.9	2.2	1.2	2.0	2:1
LSD3025-XX	GaAlAs	Red		660	20	1.5	1.7	2.1	0.3	0.5	2:1
LSD3021-XX	GaP	Red	Common	697	90	1.7	1.9	2.2	0.5	0.8	2:1
LSD3022-XX	GaP	Green	Anode	565	30	1.7	1.9	2.2	1.2	2.0	2:1
LSD3023-XX	GaAsP/GaP	Yellow		585	35	1.7	1.9	2.2	1.1	1.8	2:1
LSD3024-XX	GaAsP/GaP	Orange]	635	45	1.7	1.9	2.2	1.2	2.0	2:1

Absolute Maximum Rating (Ta=25°C)

Parameter	Red		Green		Yellow		On	ange	Unit	Rem	
Forward Current Per Chip	SR		Н		G		Y	<u> </u>	E		
	40		15		30		20		30	mA	
Peak Current Per Chip (Duty 1/10, 0.1MS Pulse Width)	200		60		120		80		120	mA	
Power Dissipation Per Chip	1	10	45	10	0		85		00	mW	
Derating Linear From 25°C Per Chip	0.	45	0.25	0.4	15		0.45	0	. 45	mA/ °C	
Reverse Current Per Any Chip		10		10		10			10	μА	
Operating Temperature					-41	0°C	TO +85	5ºC			
Storage Temperature		-40°C TO +100°C									

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	Vf	volt	lf=3mA		
Luminous Intensity Per Chip	Iv	mcd	If=3mA		
Peak Emission Wavelength	λP	nm	lf=20mA		
Spectral Line Half-Width	Δλ	nm	If=20mA		
Reverse Current Any Chip	Ir	μА	Vr=5V		
Luminous Intensity Matching Ratio	IV-M				