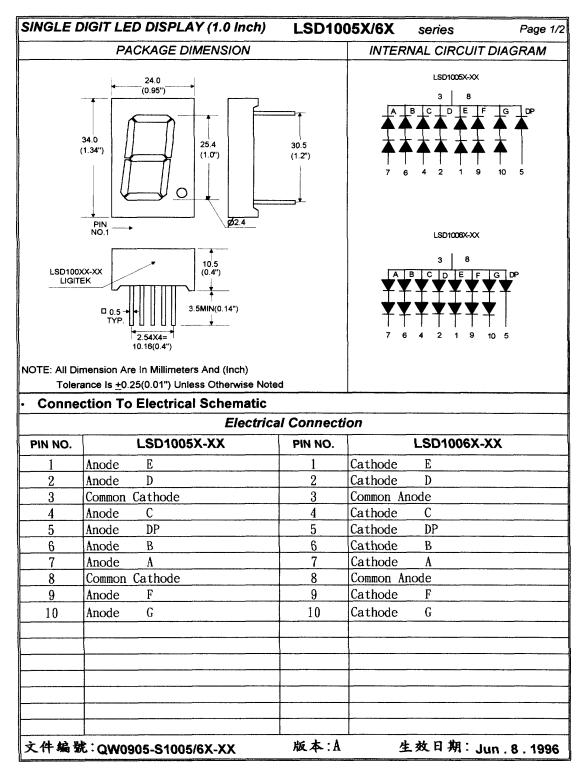


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LIGITEK



SINGLE DIGIT LED DISPLAY (1.0Inch)							LSD1005X/6X					series Page 2/2				
Part Sele	ection And A	Appli	cati	on Ir	ofrm	atio	n (Ratin	gs	At 2	5°C A	mbie	ent)			
	СНІР			common cathode or anode		λP (nm)		Δλ (nm)	,	Electrical						
PART NO)	Vf(v)		lv(m		ncd)	IV-M	
	material	emitted								Min	Тур.	Max	Min	Тур.		
LSD10055-XX	GaAlAs	Red				66	30	20		1.5	1.7	2.4	4.2	7.0	2:1	
LSD10051-XX	SD10051-XX GaP		Red		Common		97	90		1.7	2.1	2.8	1.2	2.0	2:1	
LSD10052-XX	GaP	Green Yellow Orange		Cathode		56	35	30		1.7	2.1	2.8	3.0	5.0	2:1 2:1	
LSD10053-XX	GaAsP/GaP					58	35	35		1.7	2.0	2.8	2.7	4.5		
LSD10054-XX	GaAsP/GaP					63	35	45		1.7	2.0	2.8	3.0	5.0	2:1	
LSD10065-XX	GaAlAs	Red					30	20		1.5	1.7	2.4	4.2	7.0	2:1	
LSD10061-XX	GaP	Red		Common Anode		69	97	90		1.7	2.1	2.8	1.2	2.0	2:1	
LSD10062-XX	GaP	Green				56	35	30		1.7	2.1	2.8	3.0	5.0	2:1	
LSD10063-XX	GaAsP/GaP	Yel	low]		58	35	35		1.7	2.0	2.8	2.7	4.5	2:1	
LSD10064-XX	SD10064-XX GaAsP/GaP		Orange				35	45		1.7	2.0	2.8	3.0	5.0	2:1	
Absolute	Maximum Ra	ting	(Ta=	=25⁰C)											
Parameter		Red			Gre	en	Yello			Orange		Unit		Remark		
Forward Current Per Chip		SR		н		G		Y			Е					
		40		15	15			20			30	mA				
Peak Current Per Chip (Duty		200		60	60			80			120 mA					
1/10, 0.1MS Pulse Width)		200		00		120		00		120						
Power Dissipation Per Chip		110		45	100		85		100		mW					
Derating Linear From 25°C Per		0.45		0.05	95 0 4		E 0.45					mA/ ºC				
Chip		0.45		0.25	25 0.45		5 0.45			0.45		IIIA/ C				
Reverse Current Per Any Chip		10		10		10		10		μΑ						
Operating Temperature			-25°C TO +85°C													
Storage Temperature					-25°C TO +85°C											
Solder Tempera	ture 1/16 Inch B	elow S	Seatin	g Plan	e For 3	Seco	nds /	At 260°C	2							
Test Con	dition For Ea	ch Pa	aram	neter												
Parameter						Symbol				Unit		Test Condition				
Forward Voltage Per Chip						Vf			volt			lf=20mA				
Luminous Intensity Per Chip						Iv			mcd		lf=10mA					
Peak Emission Wavelength					λΡ				nm		lf=20mA					
Spectral Line Half-Width					Δλ			nm			lf=20mA					
Reverse Current Any Chip						Ir			μA			Vr=5V				
Luminous Intensity Matching Ratio					IV-M											