

# Jameco Part Number 24715

DUAL DIGIT LED DISPLAY (0.56inch)		LDD511X/2X series		Page 1/2
PACKAGE DIMENSION		INTERNAL CIRCUIT DIAGRAM		
<p>NOTE: All Dimension Are In Millimeters And (Inch) Tolerance Is <math>\pm 0.25(0.01")</math> Unless Otherwise Noted</p>				
<b>• Connection To Electrical Schematic</b>				
<i>Electrical Connection</i>				
PIN NO.	LDD511X-XX	PIN NO.	LDD512X-XX	
1	Anode E Dig.1	1	Cathode E Dig.1	
2	Anode D Dig.1	2	Cathode D Dig.1	
3	Anode C Dig.1	3	Cathode C Dig.1	
4	Anode DP Dig.1	4	Cathode DP Dig.1	
5	Anode E Dig.2	5	Cathode E Dig.2	
6	Anode D Dig.2	6	Cathode D Dig.2	
7	Anode G Dig.2	7	Cathode G Dig.2	
8	Anode C Dig.2	8	Cathode C Dig.2	
9	Anode DP Dig.2	9	Cathode DP Dig.2	
10	Anode B Dig.2	10	Cathode B Dig.2	
11	Anode A Dig.2	11	Cathode A Dig.2	
12	Anode F Dig.2	12	Cathode F Dig.2	
13	Common Cathode Dig.2	13	Common Anode Dig.2	
14	Common Cathode Dig.1	14	Common Anode Dig.1	
15	Anode B Dig.1	15	Cathode B Dig.1	
16	Anode A Dig.1	16	Cathode A Dig.1	
17	Anode G Dig.1	17	Cathode G Dig.1	
18	Anode F Dig.1	18	Cathode F Dig.1	
文件編號: QW0905-D511/2X-XX		版本: A		生效日期: Jun. 8. 1996

DOUBLE DIGIT LED DISPLAY (0.56 Inch) LDD511X/2X series Page 2/2											
• Part Selection And Application Information ( Ratings At 25°C Ambient)											
PART NO	CHIP		common cathode or anode	$\lambda_P$ (nm)	$\Delta\lambda$ (nm)	Electrical					IV-M
	material	emitted				Vf(v)			Iv(mcd)		
						Min	Typ.	Max	Min	Typ.	
LDD5115-XX	GaAlAs	Red	Common Cathode	660	20	1.5	1.7	2.4	1.9	3.1	2:1
LDD5111-XX	GaP	Red		697	90	1.7	2.1	2.8	0.5	0.8	2:1
LDD5112-XX	GaP	Green		565	30	1.7	2.1	2.8	1.4	2.4	2:1
LDD5113-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	1.3	2.2	2:1
LDD5114-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	1.4	2.4	2:1
LDD5125-XX	GaAlAs	Red	Common Anode	660	20	1.5	1.7	2.4	1.9	3.1	2:1
LDD5121-XX	GaP	Red		697	90	1.7	2.1	2.8	0.5	0.8	2:1
LDD5122-XX	GaP	Green		565	30	1.7	2.1	2.8	1.4	2.4	2:1
LDD5123-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	1.3	2.2	2:1
LDD5124-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	1.4	2.4	2:1
• Absolute Maximum Rating (Ta=25°C)											
Parameter	Red		Green	Yellow		Orange	Unit	Remark			
Forward Current Per Chip	SR	H	G	Y		E	mA				
	40	15	30	20		30					
Peak Current Per Chip (Duty 1/10, 0.1MS Pulse Width)	200	60	120	80		120	mA				
Power Dissipation Per Chip	110	45	100	85		100	mW				
Derating Linear From 25°C Per Chip	0.45	0.25	0.45	0.45		0.45	mA/°C				
Reverse Current Per Any Chip	10		10	10		10	µA				
Operating Temperature	-25°C TO +85°C										
Storage Temperature	-25°C TO +85°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	If=20mA								
Luminous Intensity Per Chip	Iv	mcd	If=10mA								
Peak Emission Wavelength	$\lambda_P$	nm	If=20mA								
Spectral Line Half-Width	$\Delta\lambda$	nm	If=20mA								
Reverse Current Any Chip	Ir	µA	Vr=5V								
Luminous Intensity Matching Ratio	IV-M										