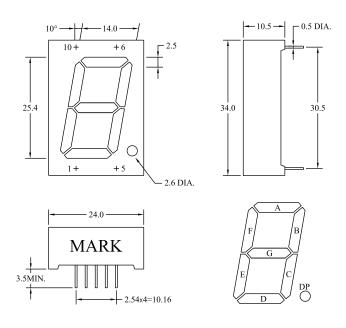
1" Single Digit Display

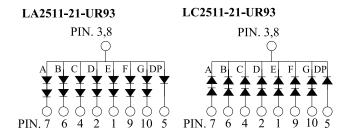




Package Dimensions:

Internal Circuit Diagram:





All dimensions are in mm Tolerance: ±0.25mm

The slope angle of any PIN may be ±5° max

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol		Rating	Unit	
Power Dissipation - Pre Segment	PD	Seg	240	mW	
	PD	DP	120	IIIVV	
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFP		100	mA	
Forward Current - Per Chip	lF		30	mA	
Reverse (Leakage) Current - Per Chip		lr	100	μΑ	
Reverse Voltage - Per Chip	\	/ R	5	V	
Operating Temperature Range	To	pr.	-25 to +85	°C	
Storage Temperature Range	Ts	Tstg40 to +100		°C	
Soldering Temperature	Ts	sol.	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3 sec.		
Electrostatic Discharge	Е	SD	6,000	V	

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1" Single Digit Display



Electrical & Optical Characteristics:

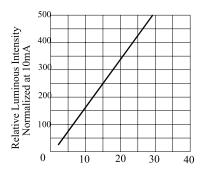
Parameter	Symbol		Condition	Min.	Тур.	Max.	Unit
Luminous Intensity - Per Segment	lv		If=10mA/seg.	76	160		mcd
Forward Voltage	Vf	DP	If=20mA/seg.		6.4	8	V
		Seg	If=20mA/seg.		3.2	4	V
Peak Wavelength	λр		If=20mA/seg.				nm
Dominant Wavelength	λd		If=20mA/seg.		520		nm
Reverse Current - Per Chip (Leakage Current - Per Chip)	lr		Vr=5V			50	μΑ
Spectrum Line Halfwidth	Δλ		If=20mA/seg.		35		deg
Response Time		Т			250		nm

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Note: Customer's special requirements are also welcome.

Typical Electrical & Optical Characteristics Curves:

(25°C Ambient temperature unless otherwise noted)



Forward Current (mA)
Fig.5 RELATIVE LUMINOUS INTENSITY
VS. FORWARD CURRENT

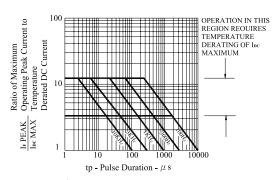
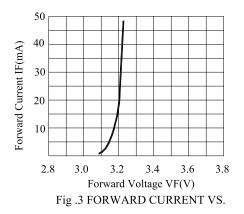
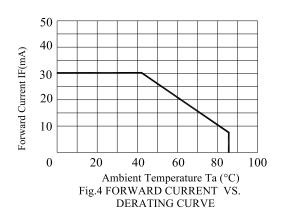


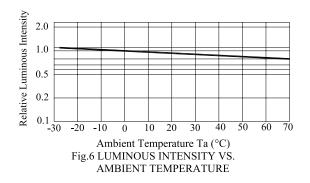
Fig.2 MAXIMUM TOLERABLE PEAK CURRENT VS. PULSE DURATION

1" Single Digit Display









Part Number Table

LED	LED Chip		Colour	Part Number	
Material	Emitting Colour	Surface	Segments	Part Number	
InGaN / Sapphire	True green	Grey	White	703-0178	
InGaN / Sapphire	True green	Grey	White	703-0179	

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