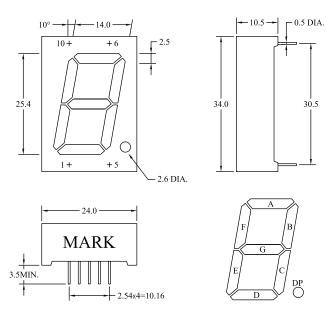
1" Single Digit Display

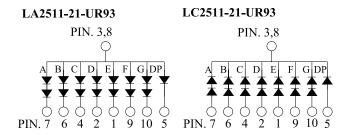




Package Dimensions:

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	
Dower Dissination - Bro Segment		DP	72	mW	
Power Dissipation - Pre Segment	PD	Seg	144	IIIVV	
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width)	I	FP	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		pr.	-25 to +85	°C	
Storage Temperature Range	Ts	stg.	-40 to +100	°C	
Soldering Temperature	Ts	sol.	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3 sec.		





1" Single Digit Display



Electrical & Optical Characteristics:

Parameter	Symbol		Condition	Min.	Тур.	Max.	Unit
Luminous Intensity - Per Segment	lv		If=10mA	15.4	34		mcd
Forward Voltage	Vf	DP	If=20mA		1.9	2.4	V
		Seg	If=20mA		3.8	4.8	V
Peak Wavelength	λр		If=20mA		650		nm
Dominant Wavelength	λd		If=20mA		639		nm
Reverse Current - Per Chip (Leakage Current - Per Chip)	Ir		Vr=5V			100	μΑ
Spectrum Line Halfwidth	Δλ		If=20mA		20		deg
Response Time		Т			250		nm

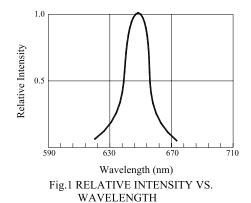
Note: Customer's special requirements are also welcome.

Electrical & Optical Characteristics: Hyper Red

Bin Name		R	s	T	U	V
IV (mcd)	Min.	15.4	22	31.45	44.95	58.45
	Max.	22	31.45	44.95	58.45	76

Typical Electrical & Optical Characteristics Curves:

(25°C Ambient temperature unless otherwise noted)



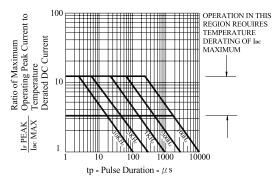
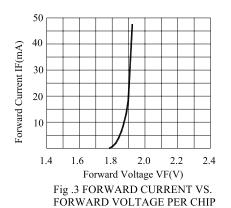
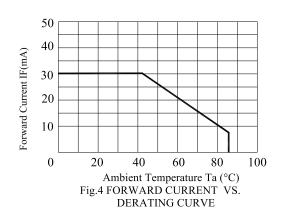


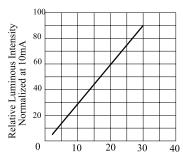
Fig.2 MAXIMUM TOLERABLE PEAK CURRENT VS. PULSE DURATION

1" Single Digit Display

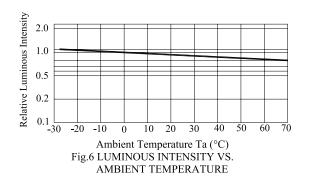








Forward Current (mA)
Fig.5 RELATIVE LUMINOUS INTENSITY
VS. FORWARD CURRENT



Part Number Table

LED Chip		Face Colour		Part Number	
Material	Emitting Colour	Surface	Segments	Fait Number	
AlGaln / GaAs	Deep Red	Grey	White	703-0176	
AlGaln / GaAs	Deep Red	Grey	White	703-0177	

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