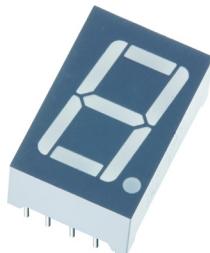


14.2mm (0.56") Single Digit Common Cathode LED Display

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Specifications

Dice Material	:	GaAlAs/GaAs
Peak Wave Length	:	660 nm
Emitted Colour	:	Super Red
Lens Colour	:	White Diffused
IV(mcd)	:	4.2
Surface Ink Colour	:	Black

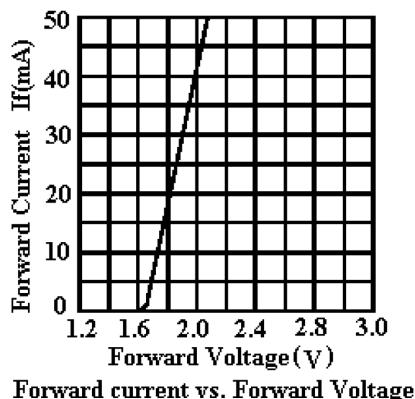
Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	2.1	4.2	6.5	mcd	IF = 20mA
Viewing Angle	$2\Theta/2$	-	-	-	deg	
Peak Emission Wavelength	λ_p	-	660	-	nm	
Dominant Wavelength	λ_D	-	643	-	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	20	-	nm	
Forward Voltage	VF	1.7	1.85	2.5	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty1/10 @ 1kHz)	IF (Peak)	-	-	100	mA	
Recommended Operating Current	TF (Rec)	-	20	-	mA	

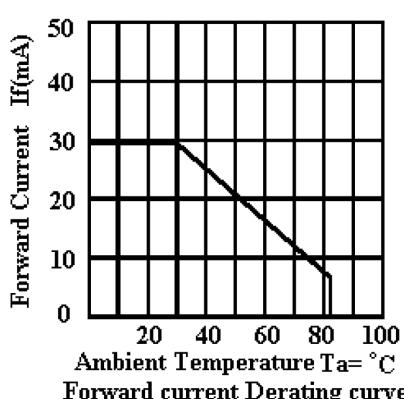
Absolute Maximum Rating $T_A = 25^\circ\text{C}$

Reverse Voltage	5 Volt
Reverse Current	10µA (VR=5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range (1.6mm (1/16 inch) from body)	260°C For 5 Seconds

Typical Electro-Optical Characteristics Curves



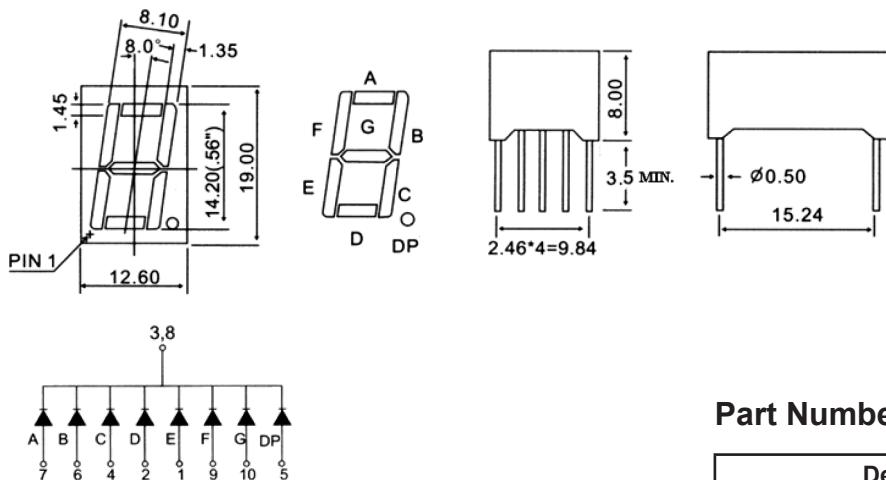
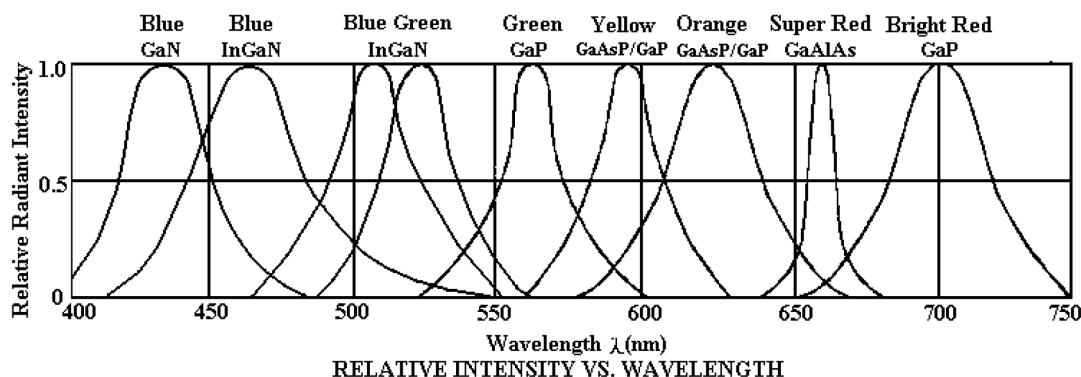
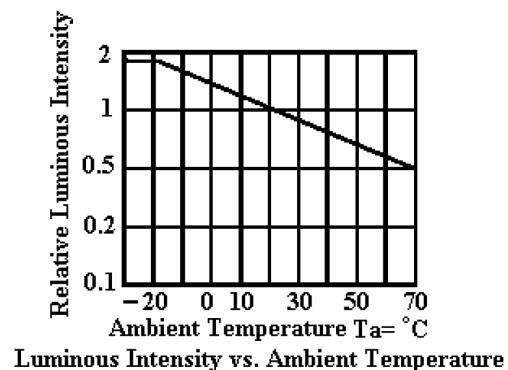
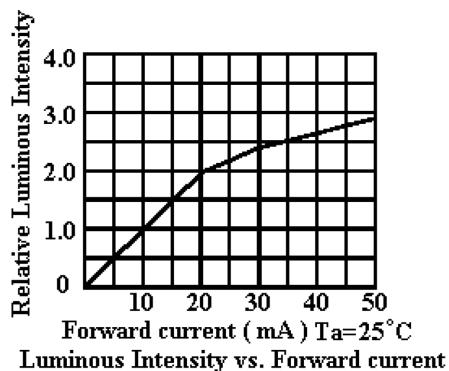
Forward current vs. Forward Voltage



Forward current Derating curve

14.2mm (0.56") Single Digit Common Cathode LED Display

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Part Number Table

Description	Part Number
14.2mm (0.56") Single Digit Common Cathode LED Display, Super Red	LS0565SRWK

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