

20.3mm (0.8") Dual Digit Common Cathode LED Display

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Specifications

Dice Material	: AlGaAs
Peak Wave Length	: 660 nm
Emitted Colour	: Super Red
Lens Colour	: White Diffused
IV(mcd)	: 5
Surface Ink Colour	: Black

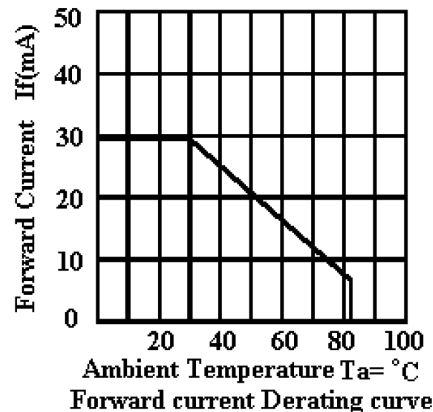
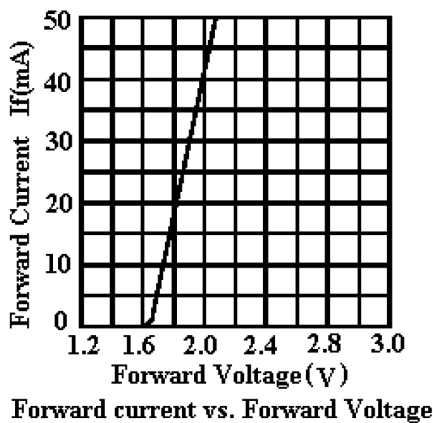
Electrical / Optical Characteristics at TA = 25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	3.5	5	7.5	mcd	IF = 20mA
Viewing Angle	2Θ1/2	-	-	-	deg	
Peak Emission Wavelength	λp	-	660	-	nm	
Dominant Wavelength	λD	-	643	-	nm	
Spectral Line Half-Width	Δλ	-	20	-	nm	
Forward Voltage	VF	1.7	1.8	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 TA = 25°C

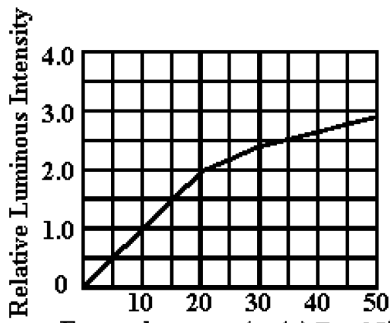
Reverse Voltage	5 Volt
Reverse Current	10μA (VR=5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range (1.6mm (1/16 inch) from body)	260°C For 5 Seconds

Typical Electro-Optical Characteristics Curves

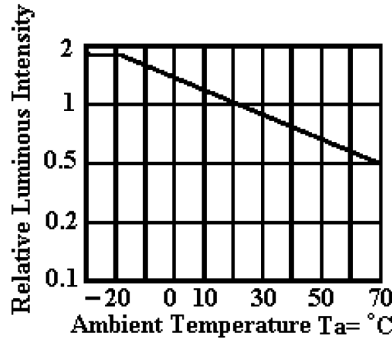


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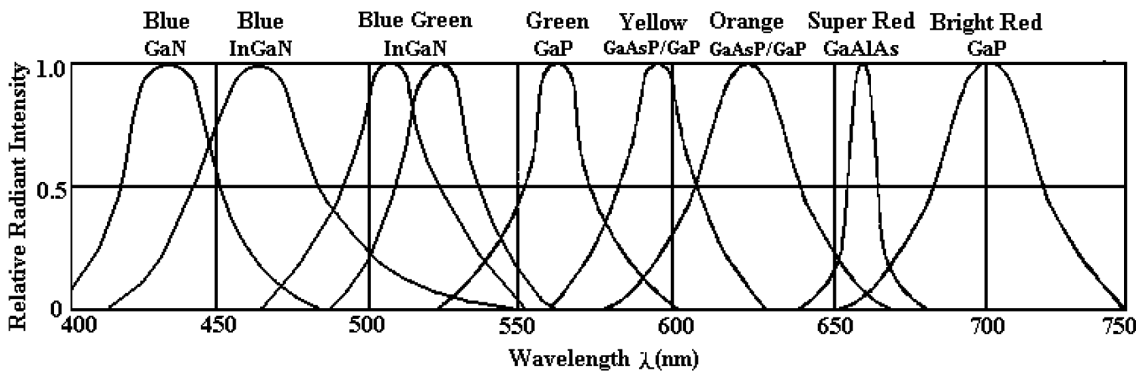
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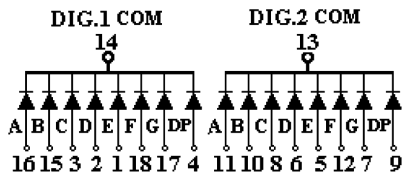
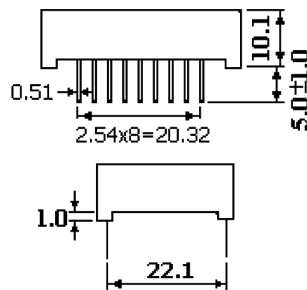
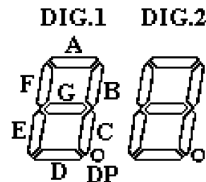
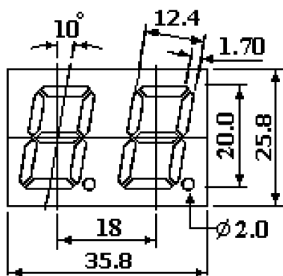
Luminous Intensity vs. Forward current



Luminous Intensity vs. Ambient Temperature



RELATIVE INTENSITY VS. WAVELENGTH



Dimensions : Millimetres
Tolerance : ±0.25mm

Part Number Table

Description	Part Number
20.3mm (0.8") Dual Digit Common Cathode LED Display, Super Red	LD0805SRWK

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