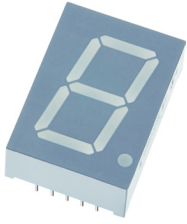


0.8" Single Digit Common Cathode LED Display



Specifications

Dice Material	: GaP
Peak Wave Length	: 568 nm
Emitted Colour	: Green
Lens Colour	: White Diffused
IV(mcd)	: 2.6
Surface Ink Colour	: Black

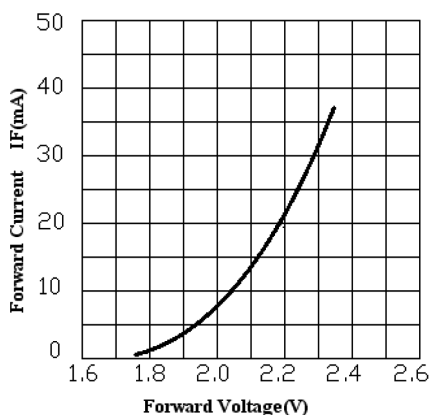
Electrical / Optical Characteristics at T_A = 25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	1.2	2.6	4	mcd	IF = 20mA
Viewing Angle	2Θ1/2	-	-	-	deg	
Peak Emission Wavelength	λ _p	-	568	-	nm	
Dominant Wavelength	λ _D	-	570	-	nm	
Spectral Line Half-Width	Δλ	-	30	-	nm	
Forward Voltage	V _F	1.9	2.2	2.6	V	
Power Dissipation	P _d	-	-	85	mW	
Peak Forward Current (Duty 1/10 @ 1kHz)	I _F (Peak)	-	-	100	mA	
Recommended Operating Current	T _F (Rec)	-	20	-	mA	

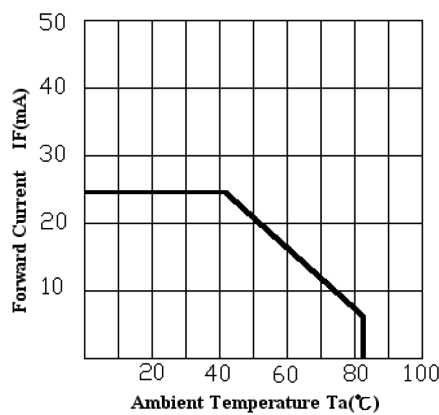
Absolute Maximum Rating T_A = 25°C

Reverse Voltage	5 Volt
Reverse Current	10μA (V _R =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

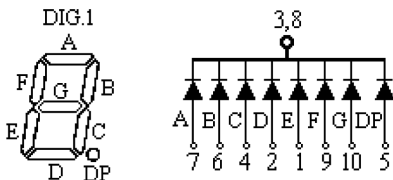
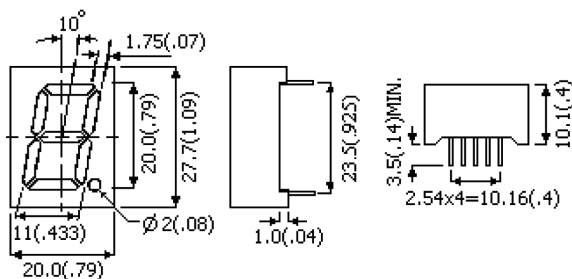
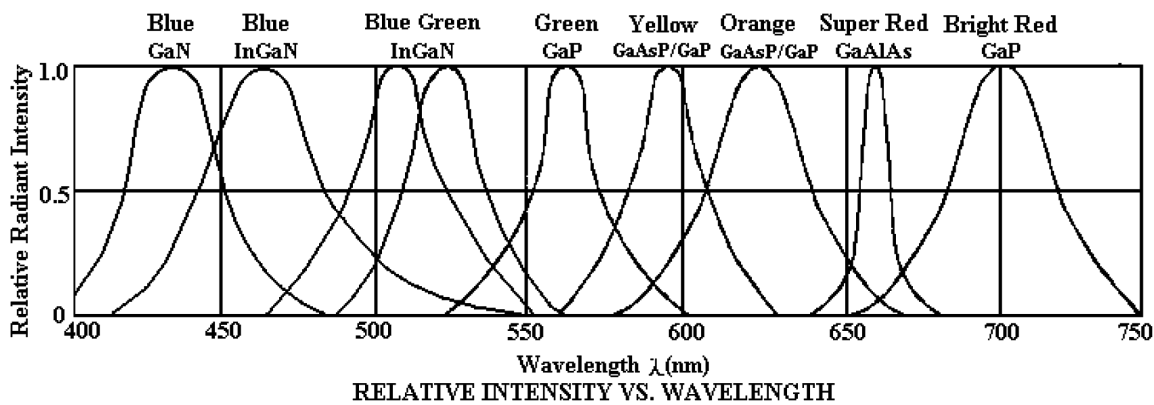
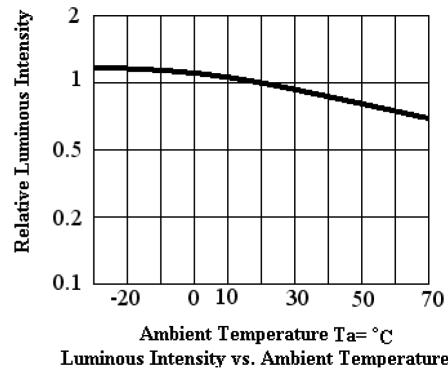
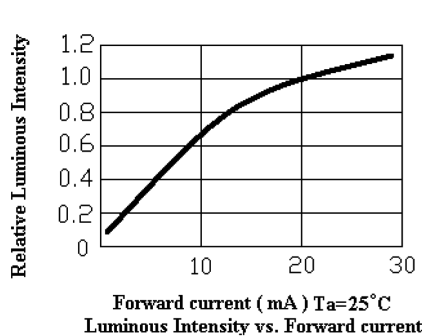


Forward Current vs. Forward Voltage



Forward Current Derating Curve

0.8" Single Digit Common Cathode LED Display



Dimensions : Millimetres
Tolerance : $\pm 0.25\text{mm}$

Part Number Table

Description	Part Number
0.8" Single Digit Common Cathode LED Display, Green	LS0803GWK

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