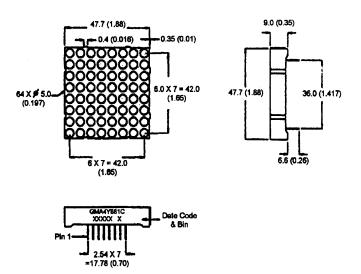


Superbright Yellow GMA4Y881C



PACKAGE DIMENSIONS

DESCRIPTION

The GMA4Y881C is a 8 X 8 populated with super bright AllnGaP yellow LEDs. It has a grey face with neutral diffused segment color.

FEATURES

1.88" (47.7mm) character height.
Low power requirement.
Wide 130° viewing angle.
High brightness and contrast
8 X 8 array with X-Y select.
X-Y stackable.
Easy mounting on P.C. board.

NOTE: Dimensions are in mm (inch). Tolerances are \pm 0.25 (0.1) unless otherwise noted. All pins are 0.5 (.02).

MODEL NUMBER

Part NumberColourDescriptionGMA4Y881CSuperbright YellowCommon anode row.(For other color options, contact your local area Sales Office)



ABSOLUTE MAXIMUM RATING (T_A = 25°C unless otherwise specified)

	Superbright		
	Yellow	Units	
Peak forward current per segment (Duty cycle 1/10, 10KHz)	90	mA	
Continous IF per segment	25	mA	
Power dissipation per segment	70*	mW	
*Derate linearly from 25°C	0.33	mW/°C	
Reverse voltage VR per segment	5	Volts	
Operating and storage temperature range		25°C to +85°C	
Soldering time at 260°C			
(1/16" below seating plane)			

ELECTRO - OPTICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

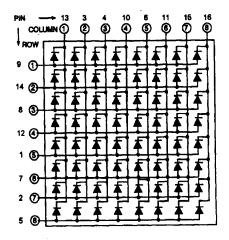
	Superbright Yellow	Test <u>Condition</u>
Luminous Intensity/Dot		
Digit average (Typical)	5000ucd	l _F = 20mA
Forward voltage (V _F)		
typical	2.1V	l _F = 20 mA
maximum	2.8V	I _F = 20 mA
Peak wavelength (nm)	592nm	l _F = 20 mA
Spectral line half width (nm)	17nm	I _F = 20mA
Reverse breakdown voltage V _R	5V	I _R = 100uA



PIN CONNECTION: GMA4Y881C

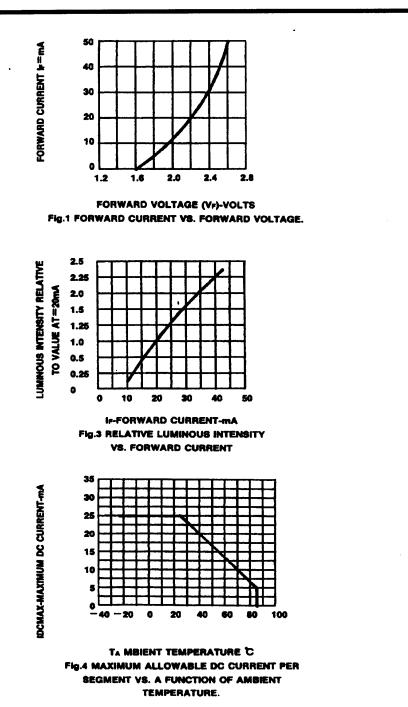
Pin Number	Function	Pin Number	Function
1	Anode Row 5	13	Cathode Column 1
2	Anode Row 7	14	Anode Row 2
3	Cathode Column 2	15	Cathode Column 7
4	Cathode Column 3	16	Cathode Column 8
5	Anode Row 8		
6	Cathode Column 5		
7	Anode Row 6		
8	Anode Row 3		
9	Anode Row 1		
10	Cathode Column 4		
11	Cathode Column 6		
12	Anode Row 4		

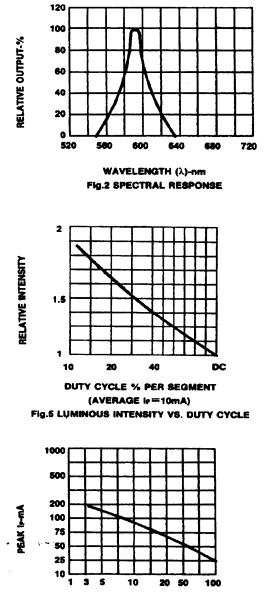
SCHEMATIC: GMA4Y881C





GRAPHICAL DETAIL: Superbright Yellow (T_A = 25°C unless otherwise specified)





DUTY CYCLE % Fig. 6 MAX PEAK CURRENT VS. DUTY CYCLE % (REFRESH RATE 1=1 KHz)



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- 2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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