



NO. : QB/SPS 73 PS 2077A

SPECIFICATIONS

NAME: Φ 3.0 DOT MATRIX

TYPE: LDM13157SRGC

**SHENZHEN DITELONG INDUSTRIAL CO.,LTD.
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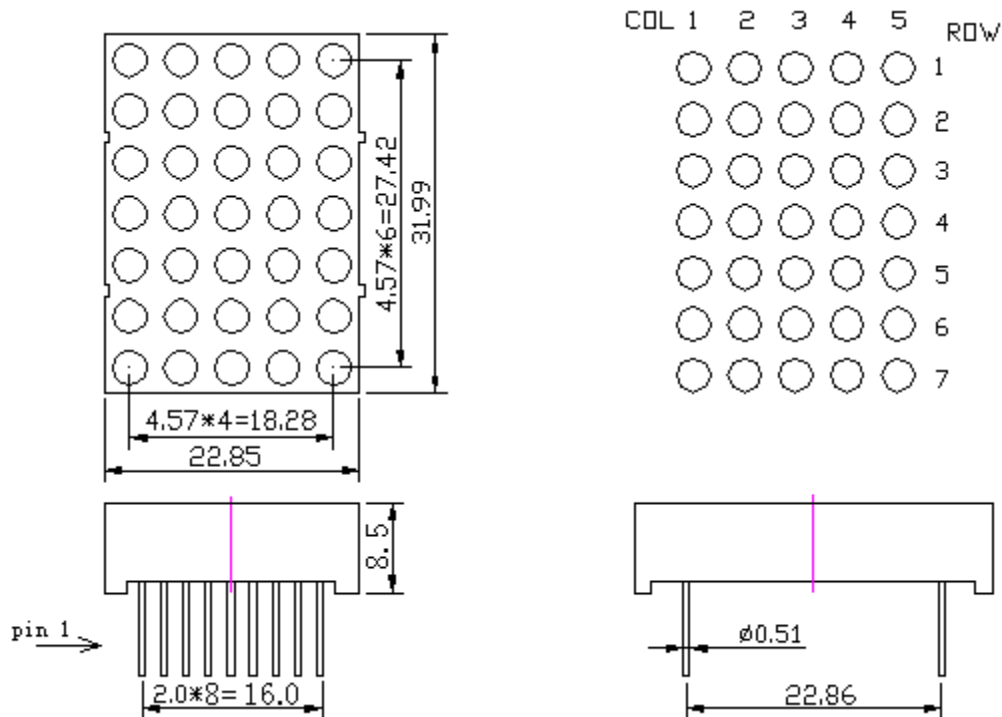
Post Code:518115

LDM—13157SRGC**1 . FEATURES**

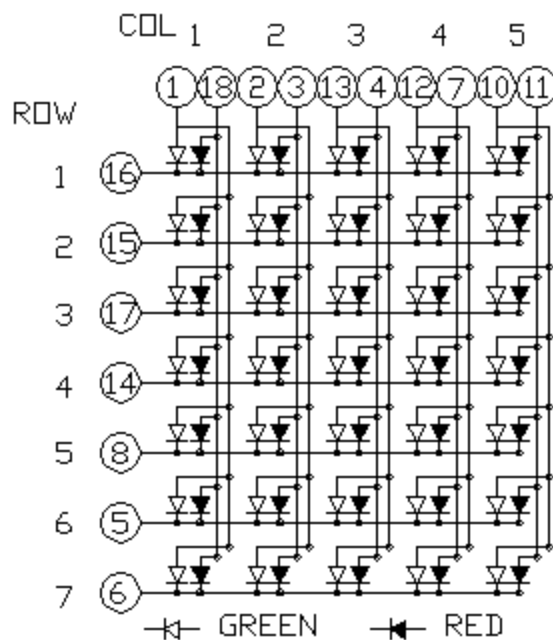
- High quality and low cost
- High reliable and intensity
- Low power requirement
- I.C compatible

2 . DESCRIPTION

- 5×7 dot matrix displays.
- $\Phi 3.0$ mm dot and pitch 4.57 mm
- Black face
- White diffusion dots.

3 . PACKAGE DIMENSIONS**NOTES:**

1. All dimensions are in millimeters.
2. Tolerance are ± 0.25 mm unless otherwise noted.

4 . CIRCUIT DIAGRAM

5 . ABSOLUTE MAXIMUM RATINGS Ta=25

ITEMS	SYMBOL	RED	GREEN	UNIT
Power Dissipation Per Dot	PD	60	60	mw
Forward Current Per Dot*	IF	20	20	mA
Peak Forward Current Per Dot**	IFP	80	80	mA
Reverse Voltage Per Dot	VR	5		V
Operation Temperature Range	Topr	-30 ~ +80		
Storage Temperature Range	Tstg	-35 ~ +85		
Soldering Temperature	Tsol	260 /3 sec		

NOTES:

* We advise average forward c urrent is 15mA

** pulse width=10mes, duty=1/8

6 . ELECTRICAL/OPTICAL CHARACTERISTICS Ta=25

PARAMETER	SYMBOL	TEST CONDITIONS	PART NO	RATING			UNIT
				MIN	TYP	MAX	
Forward voltag per dot	VF	IF=20mA	Red		1.85	2.0	V
			Green		2.2	2.4	
Reverse current per dot	IR	VR=5V	Red			50	μ A
			Green				
Luminous intensity per dot	IV	IFP=40mA 1/8 duty	Red		7		mcd
			Green		13		
Peak emission wavelength per dot	λ P	IF=20mA	Red		640		nm
			Green		572		
Spectral line wavelength per dot	λ	IF=20mA	Red		35		nm
			Green		30		

7 . CAUTIONS:

- When being used, do not be over the corresponding limited scale and note in our specification.
- For some products with the static electricity mark, please operate refer to the rules of static electricity fence.
- When designing, please consider the factor of heat, and taking keep away measure to avoid high temperature.
- Do not clean the product with organic impregnant as some of them may damage the product.