



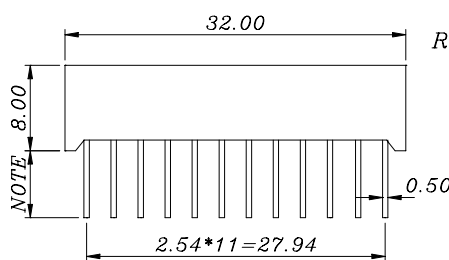
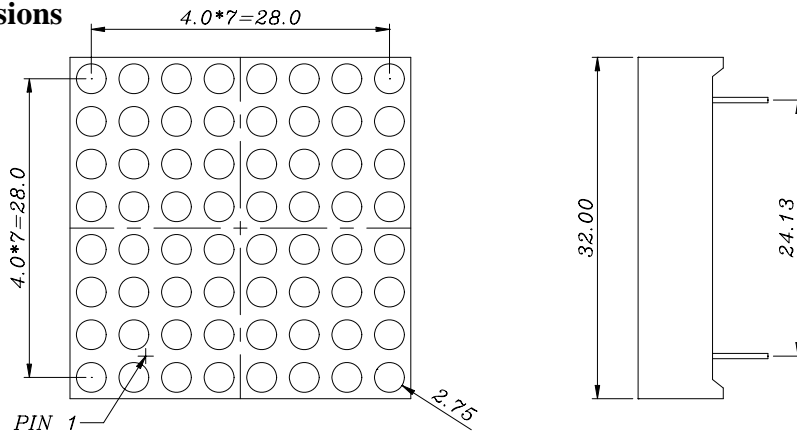
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

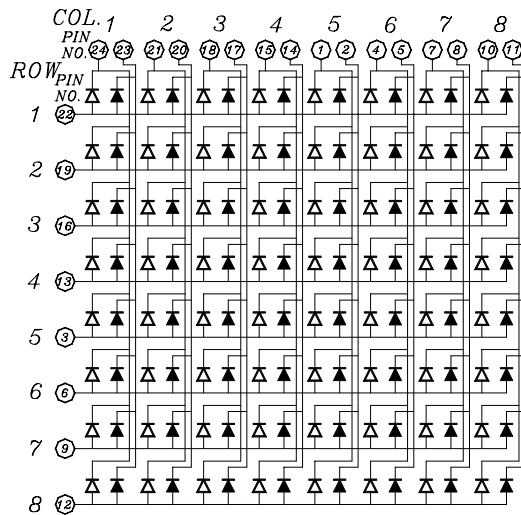
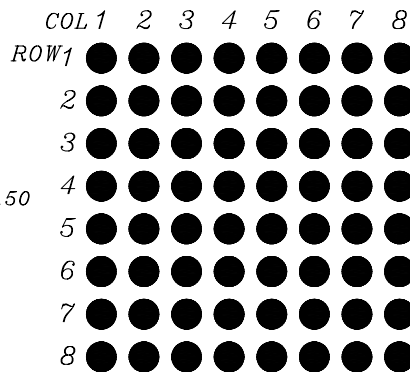
Part No. : CMD-3881320

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Package Dimensions



NOTE	S	E	T
	3.76	4.3	6.28



▲ GREEN
 ▲ ORANGE

1. CATHODE COLUMN 5G
2. CATHODE COLUMN 5
3. ANODE ROW 5
4. CATHODE COLUMN 6G
5. CATHODE COLUMN 6
6. ANODE ROW 6
7. CATHODE COLUMN 7G
8. CATHODE COLUMN 7
9. ANODE ROW 7
10. CATHODE COLUMN 8G
11. CATHODE COLUMN 8
12. ANODE ROW 8
13. ANODE ROW 4
14. CATHODE COLUMN 4
15. CATHODE COLUMN 4G
16. ANODE ROW 3
17. CATHODE COLUMN 3
18. CATHODE COLUMN 3G
19. ANODE ROW 2
20. CATHODE COLUMN 2
21. CATHODE COLUMN 2G
22. ANODE ROW 1
23. CATHODE COLUMN 1
24. CATHODE COLUMN 1G

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.30\text{mm}(.010\text{'})$ unless otherwise noted.
3. Protruded resin under flange is 1.0mm(.04'') max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.



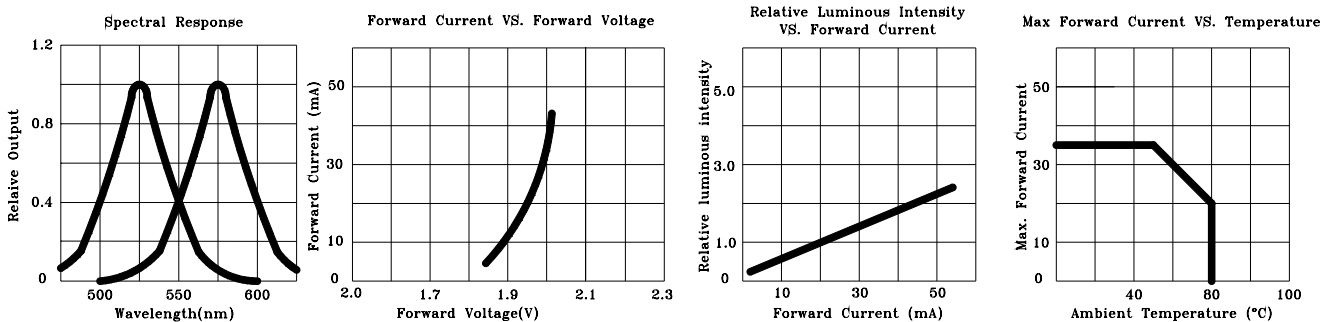
Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	(O)I _V	1	5		mcd	IF = 20mA
	(G)I _V	5	10		mcd	IF = 20mA
Peak Emission Wavelength	(O)λ _p		639		nm	IF = 20mA
	(G)λ _p		565		nm	IF = 20mA
Dominant Wavelength	(O)λ _d	620	631	636	nm	IF = 20mA
	(G)λ _d	565	569	575	nm	IF = 20mA
Spectral Line Half-Width	(O)Δλ		20		nm	IF = 20mA
	(G)Δλ		30		nm	IF = 20mA
Forward Voltage	(O)V _F		1.9	2.4	V	IF = 20mA
	(G)V _F		2.1	2.6		
Reverse Current	I _R			100	μA	VR = 5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF = 20mA

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating	Unit
Average Power Dissipation Per Dot	O	45
	G	50
Peak Forward Current Per Dot (1/10 Duty Cycle, 0.1ms Pulse Width)	O	100
	G	100
Continuous Forward Current	O	20
	G	20
Reverse Voltage	5	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-55°C to +100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES
25°C Free Air Temperature Unless Otherwise Specified





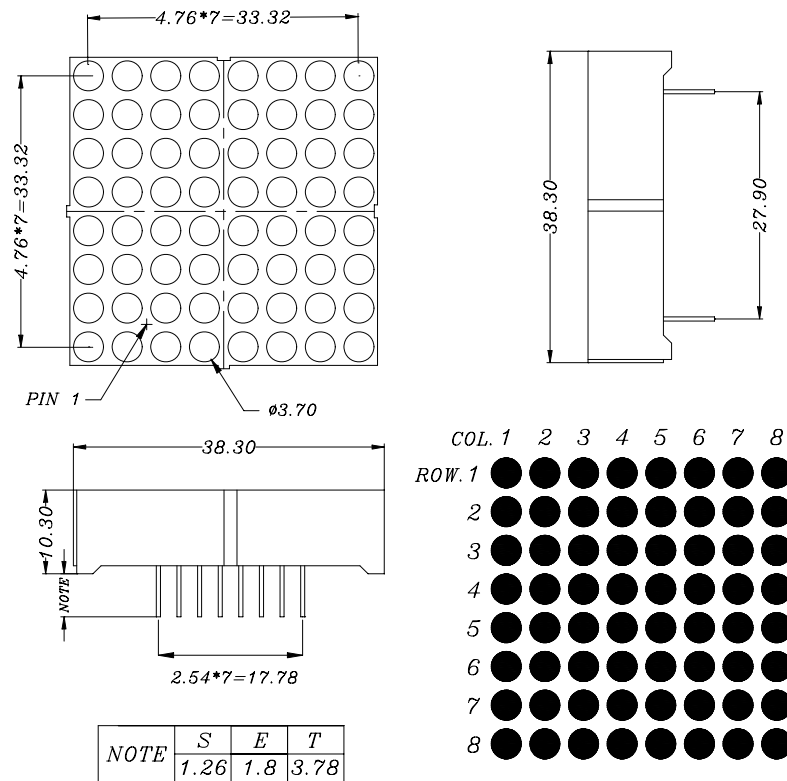
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

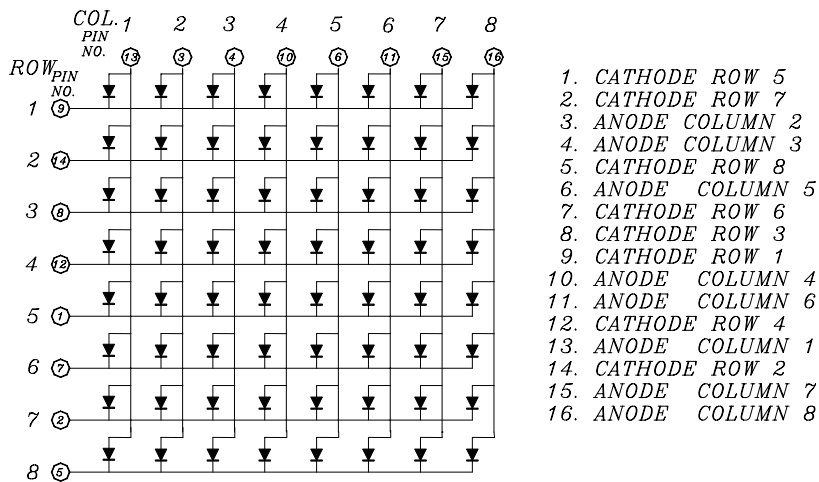
Part No. : CMD-4882UY00

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Package Dimensions



NOTE	S	E	T
	1.26	1.8	3.78



1. CATHODE ROW 5
2. CATHODE ROW 7
3. ANODE COLUMN 2
4. ANODE COLUMN 3
5. CATHODE ROW 8
6. ANODE COLUMN 5
7. CATHODE ROW 6
8. CATHODE ROW 3
9. CATHODE ROW 1
10. ANODE COLUMN 4
11. ANODE COLUMN 6
12. CATHODE ROW 4
13. ANODE COLUMN 1
14. CATHODE ROW 2
15. ANODE COLUMN 7
16. ANODE COLUMN 8

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.30\text{mm}(.010\text{'})$ unless otherwise noted.
3. Protruded resin under flange is $1.0\text{mm}(.04\text{'})$ max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.



Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	IV	70	105		mcd	IF = 20mA
Peak Emission Wavelength	λP		595		nm	IF = 20mA
Dominant Wavelength	λd	584	592	594	nm	IF = 20mA
Spectral Line Half-Width	$\Delta \lambda$		15		nm	IF = 20mA
Forward Voltage	VF		1.9	2.4	V	IF = 20mA
Reverse Current	IR			100	μA	VR = 5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF = 20mA

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating	Unit
Power Dissipation	36	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	60	mA
Continuous Forward Current	15	mA
Reverse Voltage	5	V
Operating Temperature Range	-20°C to + 80°C	
Storage Temperature Range	-55°C to + 100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES
25°C Free Air Temperature Unless Otherwise Specified

