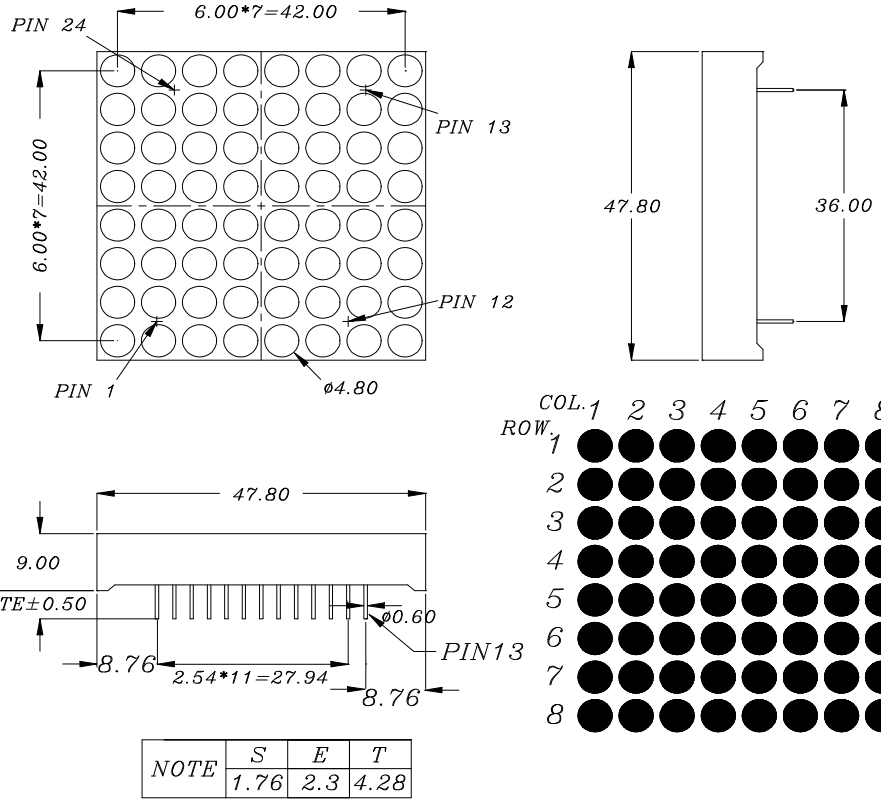
SHARLIGHT ELECTRONICS CO., LTD.

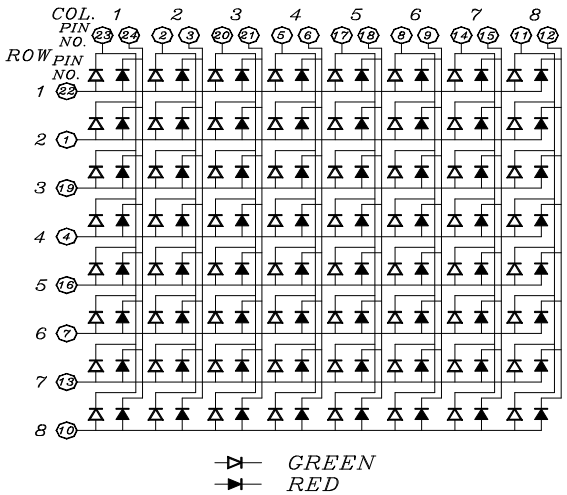
SPECIFICATION FOR APPROVAL

Part No.：CMD-5881KNC

Package Dimensions



NOTE	S	E	T
	1.76	2.3	4.28



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

Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is ±0.30mm(.012") 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℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	IV(R)	10	15		mcd	IF = 20mA
	IV(G)	10	18			
Peak Emission Wavelength	λP(R)		660		nm	IF = 20mA
	λP(G)		565			
Dominant Wavelength	λd(R)	635	639	650	nm	IF = 20mA
	λd(G)	565	569	576		
Spectral Line Half-Width	Δλ(R)		20		nm	IF = 20mA
	Δλ(G)		30			
Forward Voltage	VF(R)		1.9	2.4	V	IF = 20mA
	VF(G)		2.1	2.6		
Reverse Current	IR			100	μA	VR = 5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF = 20mA

Absolute Maximum Ratings at TA=25℃

Parameter	Maximum Rating		Unit
Power Dissipation	R	36	mW
	G	26	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	R	90	mA
	G	100	mA
Continuous Forward Current	R	15	mA
	G	10	mA
Reverse Voltage	5		V
Operating Temperature Range	-20℃ to + 80℃		
Storage Temperature Range	-55℃ to + 100℃		
Lead Soldering Temperature [4.0mm(.157") From Body]	260℃ for 5 Seconds		
Reflow Soldering	NO		

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