



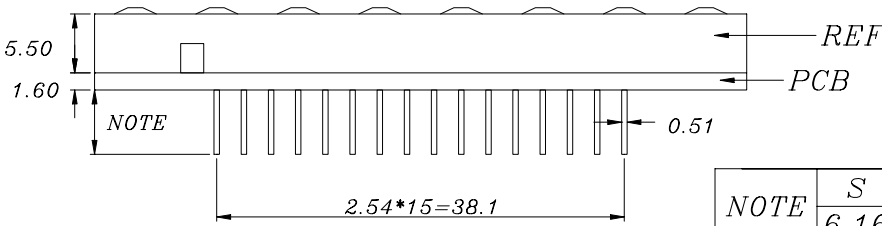
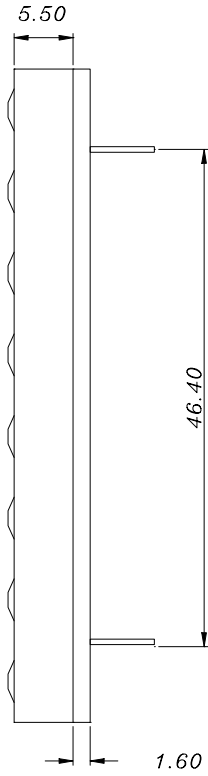
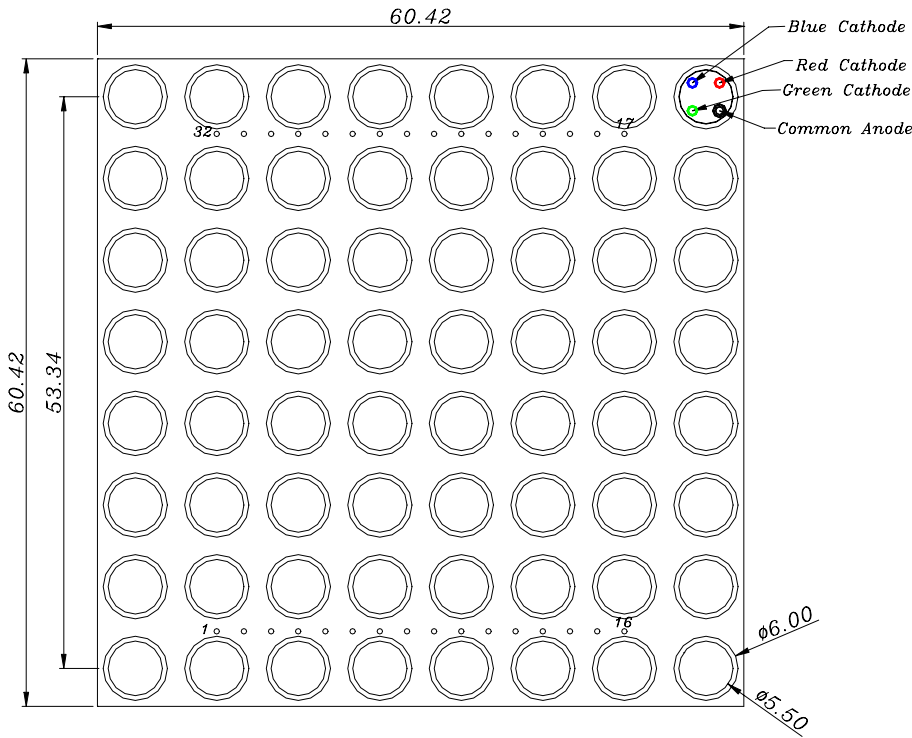
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

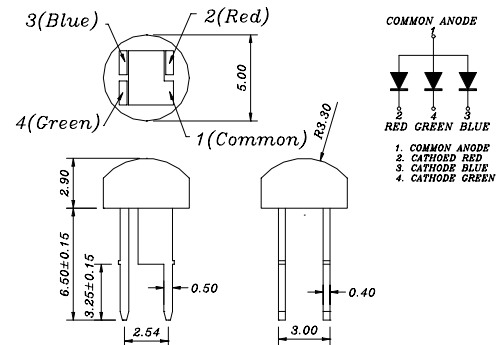
Part No. : CMD-5882RGB

Page : 1 of 3

Package Dimensions



NOTE	S	E	T
	6.16	6.7	8.68



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.

LISTER : 鄭淑娟 04-12-07

EDITOR : 周素華 04-12-07

DATE : 04-12-07

REV : A

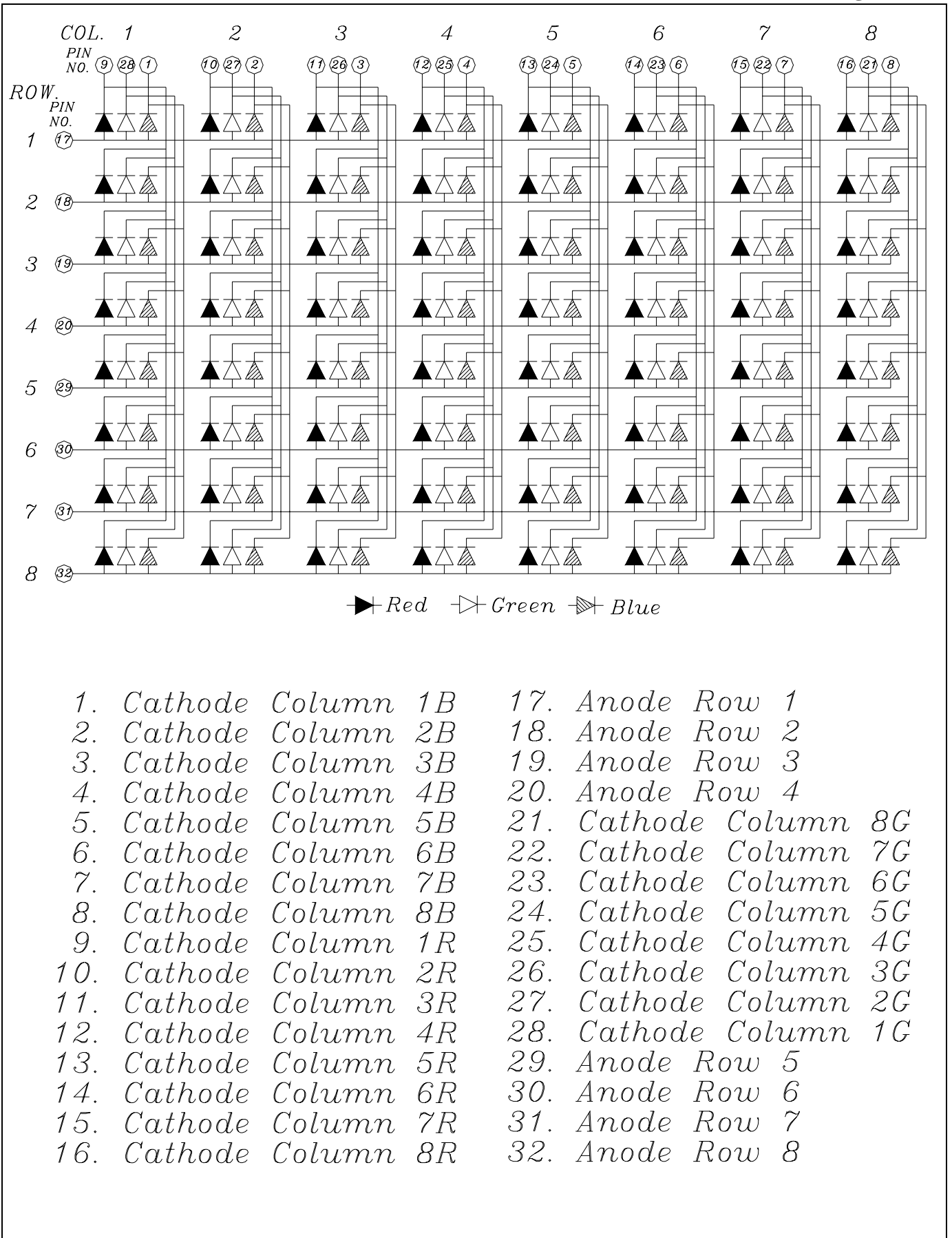


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : CMD-5882RGB

Page : 2 of 3





SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : CMD-5882RGB

Page : 3 of 3

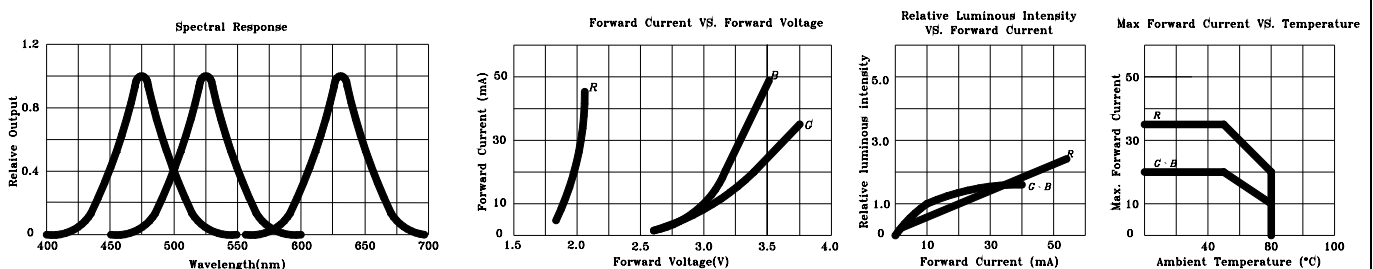
Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	(R)I _V	50	72		cd	IF = 20mA
	(G)I _V	100	153			
	(B)I _V	35	57			
Peak Emission Wavelength	(R) λ _p		635		nm	IF = 20mA
	(G) λ _p		520			
	(B) λ _p		470			
Dominant Wavelength	(R) λ _d	620	625	630	nm	IF = 20mA
	(G) λ _d	520	525	530		
	(B) λ _d	465	470	475		
Spectral Line Half-Width	(R) Δ λ		25		nm	IF = 20mA
	(G) Δ λ		50			
	(B) Δ λ		40			
Forward Voltage ,any Dot	(R)V _F		2.1	2.6	V	IF = 20mA
	(G)V _F		3.2	4.0		
	(B)V _F		3.2	4.0		
Reverse Current ,any Dot	I _R			50	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 Per Dot	R	90
	G	80
	B	80
Peak Forward Current Per Dot (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current Per Dot	R	35
	G	20
	B	20
Reverse Voltage Per Dot	5	V
Operating Temperature Range	-20°C to +80°C	
Operating 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



LISTER : 鄭淑娟 04-12-07

EDITOR : 周素華 04-12-07

DATE : 04-12-07

REV : A