



SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : CMD-588230C

Page : 1 of 2

Package Dimensions

	S	E	T
NOTE	1.86	2.4	4.38

COL.	1	2	3	4	5	6	7	8
ROW	1	2	3	4	5	6	7	8

COL. PIN NO.	1	2	3	4	5	6	7	8
ROW PIN NO.	1	2	3	4	5	6	7	8

1. CATHOED ROW 2
2. ANODE COLUMN 2
3. NO PIN
4. CATHOED ROW 4
5. ANODE COLUMN 4
6. NO PIN
7. CATHOED ROW 6
8. ANODE COLUMN 6
9. NO PIN
10. CATHOED ROW 8
11. ANODE COLUMN 8
12. NO PIN
13. NO PIN
14. CATHOED ROW 7
15. ANODE COLUMN 7
16. NO PIN
17. CATHOED ROW 5
18. ANODE COLUMN 5
19. NO PIN
20. CATHOED ROW 3
21. ANODE COLUMN 3
22. NO PIN
23. CATHOED ROW 1
24. ANODE COLUMN 1
25. NO PIN
26. NO PIN

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.

LISTER : 曾聖文 06-14-07

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DATE : 06-14-07

REV : A



Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	IV	10	20		mcd	IF = 20mA
Peak Emission Wavelength	λP		639		nm	IF = 20mA
Dominant Wavelength	λd	620	631	636	nm	IF = 20mA
Spectral Line Half-Width	$\Delta \lambda$		20		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	24	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	10	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

