



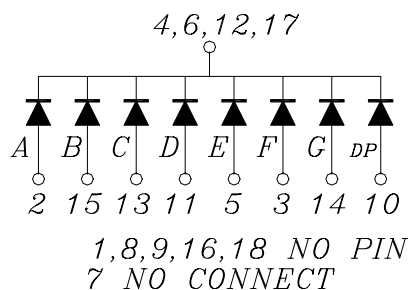
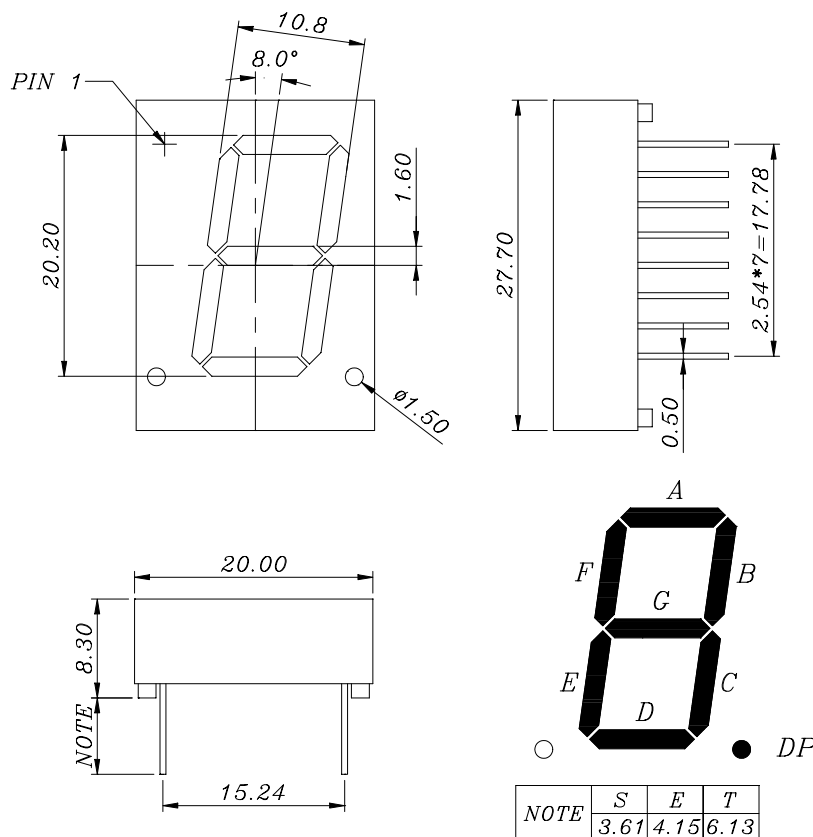
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : CM1-0801500

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Package Dimensions



1 NO PIN	10 ANODE RDP
2 ANODE A	11 ANODE D
3 ANODE F	12 COMMON CATHODE
4 COMMON CATHODE	13 ANODE C
5 ANODE E	14 ANODE G
6 COMMON CATHODE	15 ANODE B
7 NO CONNECT	16 NO PIN
8 NO PIN	17 COMMON CATHODE
9 NO PIN	18 NO PIN

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.30\text{mm}(.010")$ 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.



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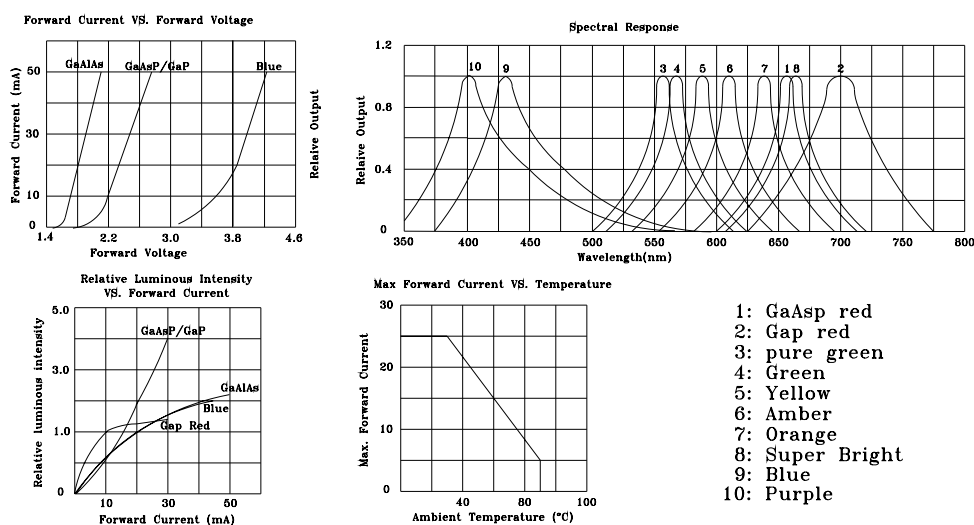
Electrical / Optical Characteristics at TA=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	IV	7	12	26	mcd	IF = 20mA
Peak Emission Wavelength	λ_P		639		nm	IF = 20mA
Dominant Wavelength	λ_d	620	631	636	nm	IF = 20mA
Spectral Line Half-Width	$\Delta \lambda$		20		nm	IF = 20mA
Forward Voltage, any Segment or D..P.	VF		2.1	2.6	V	IF = 20mA
Reverse Current, any Segment or D..P	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	70	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	90	mA
Continuous Forward Current	25	mA
Derating Linear From 30	0.33	mA/
Reverse Voltage	5	V
Operating Temperature Range	-20 to + 80	
Storage Temperature Range	-55 to + 100	
Lead Soldering Temperature [1.6mm(.063") From Body]	260 for 5 Seconds	

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



LISTER : 蔡政祐 01-30-04

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DATE : 01-30-04

REV : 1