



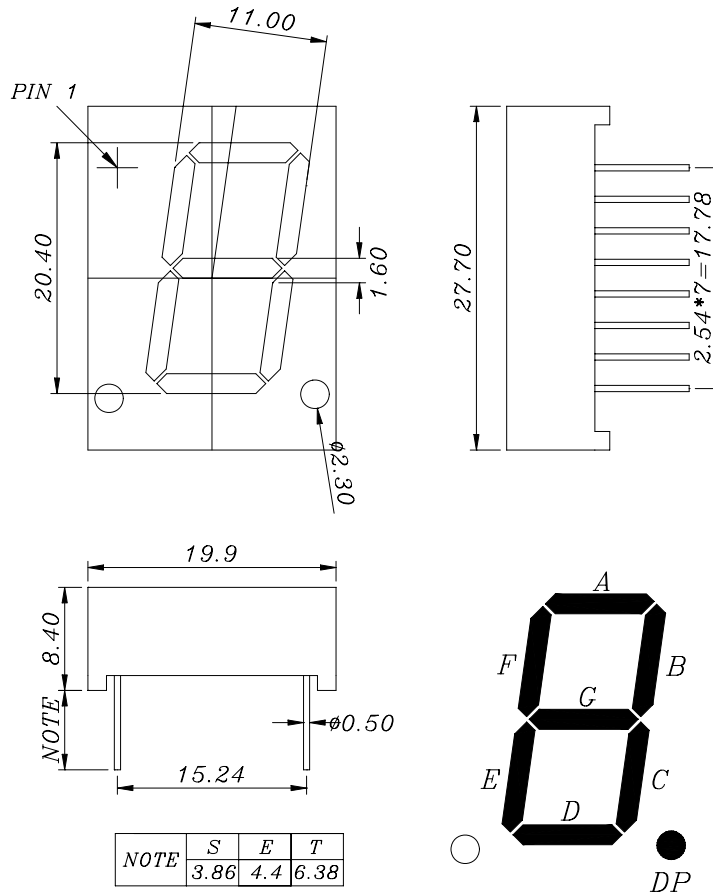
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

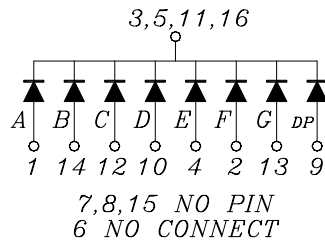
Part No. : CM1-080130S

Page : 1 of 2

Package Dimensions



NOTE	S	E	T
	3.86	4.4	6.38



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

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	7	9		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, 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°C

Parameter	Maximum Rating	Unit
Power Dissipation	45	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	25	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

