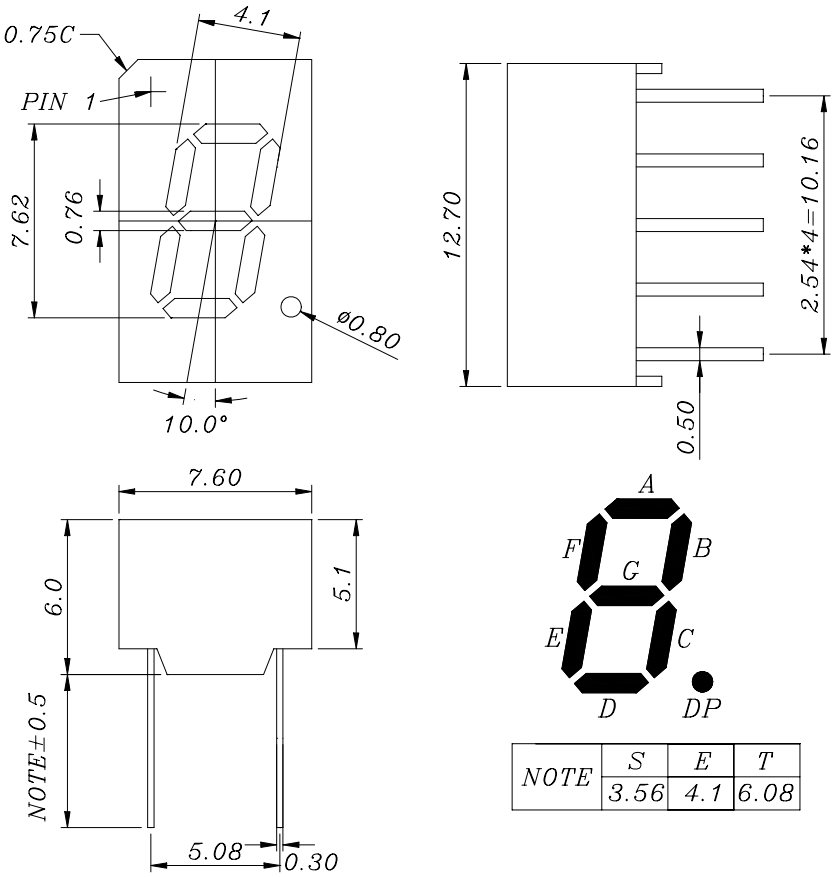
SHARLIGHT ELECTRONICS CO., LTD.

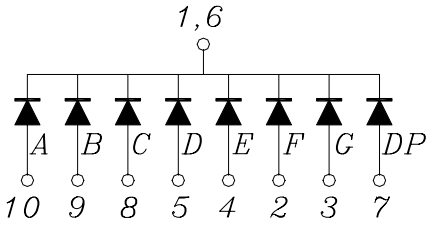
SPECIFICATION FOR APPROVAL

Part No.：CM1-0311K00

Package Dimensions



NOTE	S	E	T
	3.56	4.1	6.08



1 COMMON CATHODE
2 ANODE F
3 ANODE G
4 ANODE E
5 ANODE D
6 COMMON CATHODE
7 ANODE DP
8 ANODE C
9 ANODE B
10 ANODE A

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.

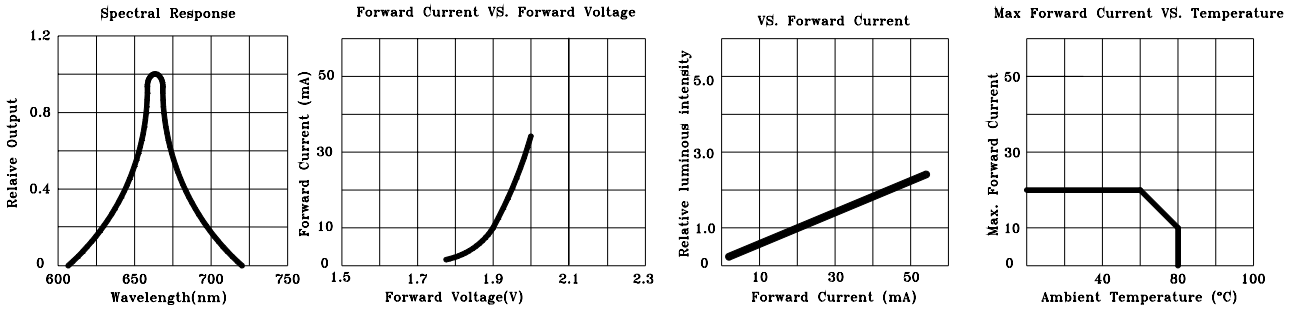
5. Specifications are subject to change without notice.

LISTER：曾聖文 04-27-09	EDITOR：周素華 04-27-09	DATE：04-27-09	REV：A

Electrical / Optical Characteristics at TA=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Average Luminous Intensity	IV	1	7		mcd	IF = 20mA
Peak Emission Wavelength	λP		660		nm	IF = 20mA
Dominant Wavelength	λd	635	639	650	nm	IF = 20mA
Spectral Line Half-Width	Δλ		20		nm	IF = 20mA
Forward Voltage, any Segment or D..P.	VF		1.9	2.4	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	45	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	90	mA
Continuous Forward Current	20	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