



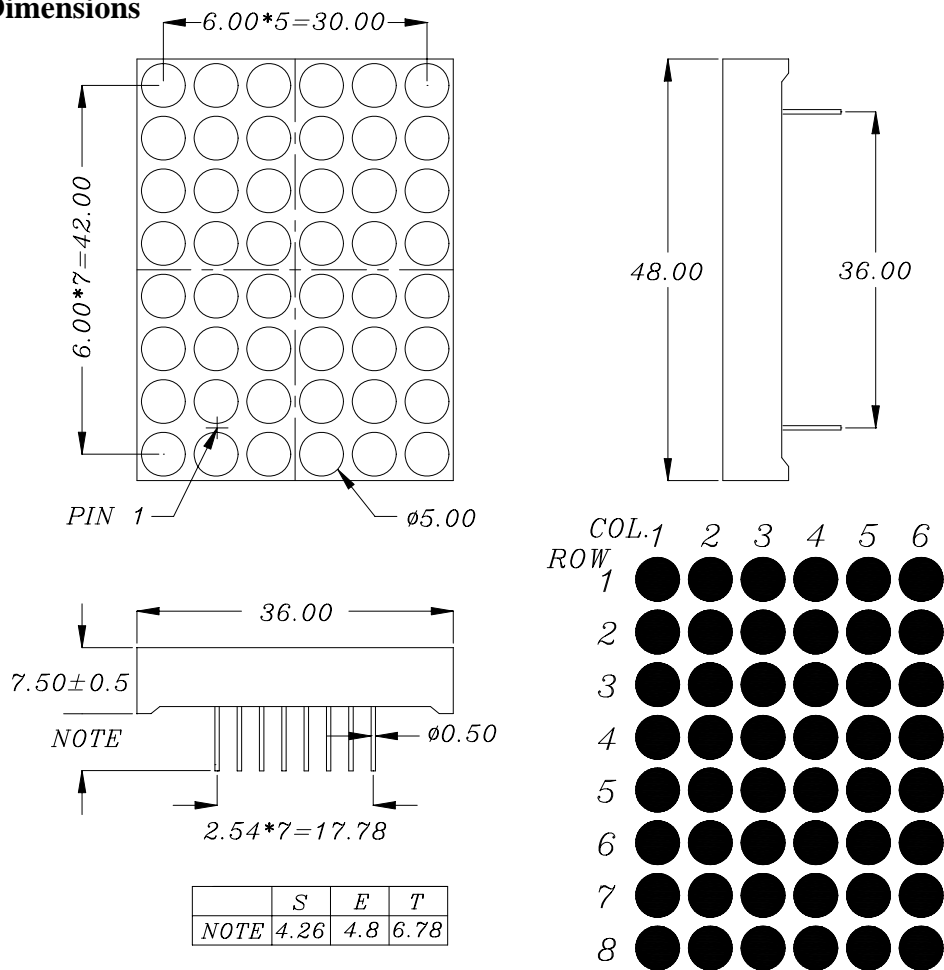
SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : CMD-5681L00

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Package Dimensions



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	20	40		mcd	IF = 20mA
Peak Emission Wavelength	λP		660		nm	IF = 20mA
Dominant Wavelength	λd	635	639	650	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	36	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	90	mA
Continuous Forward Current	15	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

