KW1-501ARB DATA SHEET LUCKY LIGHT

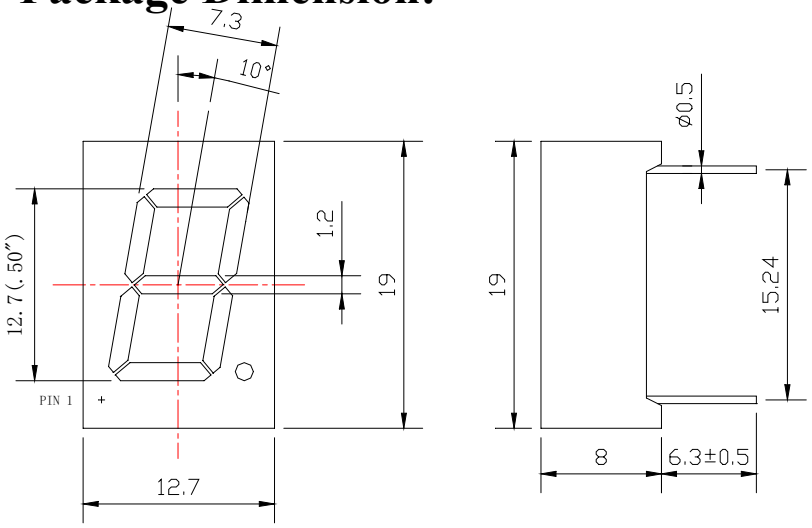
Features

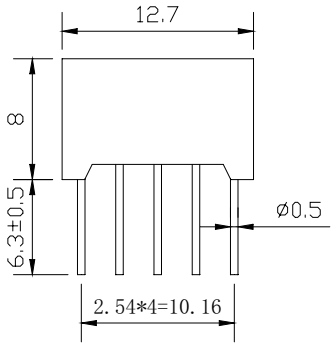
- ◆Industrial standard size.
- ◆Low power consumption
- ◆Categorized for luminous intensity
- ◆Black Face, White Segment.

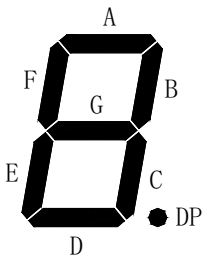
Applications:

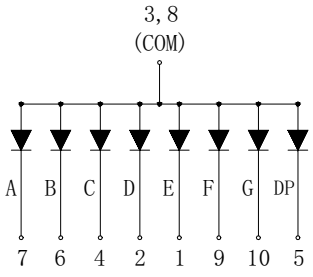
- ◆Audio equipment
- ◆Instrument panels
- ◆Digital read out display

Package Dimension:









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

Part NO.	Face Color	Segment Color	Source Color
KW1-501ARB	Black	White	Red

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(.010")mm unless otherwise noted.
3. Specifications are subject to change without notice.

KW1-501ARB DATA SHEET LUCKY LIGHT

Absolute Maximum Ratings at Ta=25℃

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	35	mA
Derating Linear From 50℃	0.4	mA/℃
Reverse Voltage	5	V
Operating Temperature Range	-40℃ to +80℃	
Storage Temperature Range	-40℃ to +80℃	
Soldering Temperature	260℃ for 5 Seconds	

Electrical Optical Characteristics at Ta=25℃

Parameter/Seg	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	0.4	0.6	---	mcd	I_F=20mA (Note 1)
Peak Emission Wavelength	λ p	--	700	--	nm	I_F=20mA
Dominant Wavelength	λ d	---	697	---	nm	I_F=20mA (Note 2)
Spectral Line Half-Width	△ λ	24	29	34	nm	I_F=20mA
Forward Voltage	V_F	---	2.1	2.8	V	I_F=20mA
Reverse Current	I_R	---	---	10	μA	V_R=5V

Note:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. The dominant wavelength (λ d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

KW1-501ARB DATA SHEET LUCKY LIGHT

Typical Electrical / Optical Characteristics Curves
(25℃ Ambient Temperature Unless Otherwise Noted)