5.0mm Round Type LED Lamps

MODEL NO: 5WN4UT-27D

★Features:

- Fluorescence Type;
- High Luminous Intensity;
- High Efficiency;

★Lens Color:

☐ Color Diffused ☐ Color Transparent

☑ Water Clear ☐ White Diffused

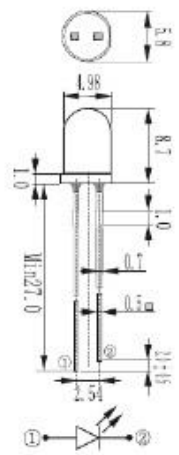
★Descriptions:

- The white LED which was fabricated using a blue LED and a phosphor, and the phosphor is excited by blue light and emits yellow fluorescence. The mixture of blue light and yellow light results in a white emission.

★Applications:

- OA Equipment;
- Backlighting of LCD;
- Automotive Equipment;
- Replacement of Conventional Light Bulbs and Fluorescent Lamps.

★Package Dimension:



★Attention

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise specified.
3. The outstanding gun edge part is biggest not very in 1.5mms.
4. The long feet is a LED Anode.

★Absolute Maximum Ratings(Ta=25℃):

Parameter	Symbol	Rating	Unit	Remarks
Forward Current	I_F	30	mA	——
Peak Forward Current	I_{PP}	100	mA	1/10 Duty Cycle
Reverse Voltage	V_R	5	V	——
Operating Temperature	T_{Opr}	-25~+85	℃	——
Storage Temperature	T_{Stg}	-40~+100	℃	——
Soldering Temperature	T_{Sol}	260	℃	<3 seconds
Power Dissipation	Pd	100	mW	——

★Electronic Optical Characteristics(Ta=25℃):

Part Number	Emitting Color	V_F(V) I_F=20mA			IV_{mcd} I_F=20mA		I_R(μA)	Chromaticity Coordinates		Viewing Angle
		Min	Typ	Max	Typ	Max	VR=5V	X	Y	2θ1/2(°)
5WN4UT-27D	Natural White	2.8	3.0	3.6	6000	12000	<10	0.35-0.41	0.35-0.41	65°

★Elucidation: Pb =Pb free Soldering Application, Pb<1000ppm(RoHS-Compliant)