

TOL-52cSBbCEa-B3-3.9

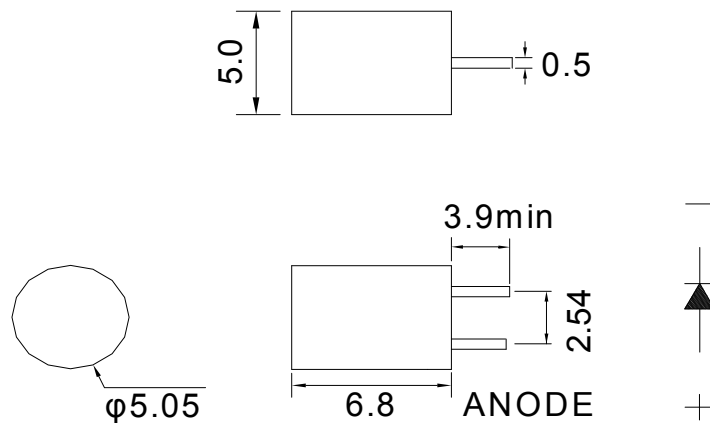
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-52cSBbCEa-B3-3.9	InGaN	Blue	Water Clear

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 5.0mm diameter package.
- Long life, stable reliable.
- RoHS complian

Dimensions



Notes:

1. All dimensions are in millimeter.
2. Tolerance is ± 0.5 mm unless otherwise noted.
3. HONG.Y 成型自動剪腳機作業

Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating	Unit
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Power Dissipation (Tamb≤60°C)	105	mW
Continuous Forward Current	20	mA
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Wave Soldering Profile For Lead-free Soldering	260°C for 5 Sec	

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Blue			Unit	Test Condition
		Min	Typ.	Max		
Luminous Intensity	I _v		220		mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		80		deg	I _F =20mA
Dominant Wavelength	λ _d		470		nm	I _F =20mA
Spectral Line Half-Width	Δλ		35		nm	I _F =20mA
Forward Voltage	V _F		3.0		V	I _F =20mA
Reverse Current	I _R			10	μA	V _R =5V

* Please refer to CIE 1931 chromaticity diagram.