

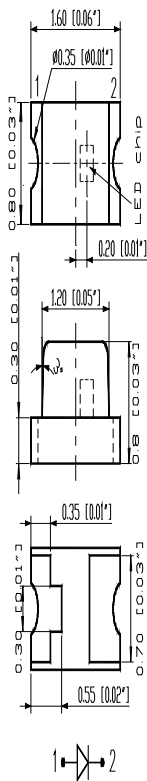
SURFACE MOUNT LED LAMPS

表面黏著型發光二極體指示燈

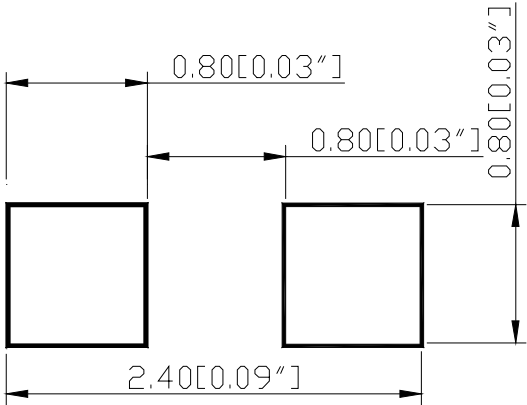
S190 Series SMD Chip LED Lamps

Part Number: S190TB4-C

Package outlines



RECOMMEND PAD LAYOUT



ITEM	MATERIALS
Resin (mold)	Epoxy
Bonding wire	□ 25 μm Au
Lens color	Water transparent
Printed circuit board	BT (White)
Dice	GaN
Emitted color	Blue



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES

- NOTES:
1. All dimensions are in millimeters (inches);
 2. Tolerances are $\pm 0.1\text{mm}$ (0.004inch) unless otherwise noted.

SURFACE MOUNT LED LAMPS

表面黏著型發光二極體指示燈

Part Number: S190TB4-C

Absolute maximum ratings (TA=25°C)

Parameter	Symbol	Value	Unit
Forward current	If	30	mA
Reverse voltage	Vr	5	V
Power dissipation	Pd	135	mW
Operating temperature range	Top	-20 ~+80	°C
Storage temperature range	Tstg	-20 ~+80	°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	mA

Electro-optical characteristics (TA=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	If=20mA	λpeak	465	470	480	nm
Spectral half bandwidth	If=20mA	△λ	--	60	--	nm
Dominant wavelength	If=20mA	λdom	--	465	--	nm
Forward voltage	If=20mA	Vf	3.0	3.4	4.0	V
Luminous intensity * 1	If=20mA	Iv	55	-	100	mcd
Viewing angle at 50% Iv	If=10mA	2θ1/2	--	120	--	Deg
Reverse current	Vr=5V	Ir	--	--	10	μA

* 1 Note: Luminous intensity tolerance is ±10%.