

Peak Emission Wavelength: 855nm

The 855nm Point Source Series is designed for applications requiring high accuracy and precision as well as uniform spectral emission. Custom package solutions and sorting are available.

FEATURES

- > 3.5x2.2x1.24 Flat Top Ceramic SMT
- > Emitting Window Diameter Φ 35 μ m
- > High Reliability / High Output Power

APPLICATIONS

- > Optical Scanning
- > Linear & Rotary Encoder
- > Edge Sensing
- > Optical Sensors



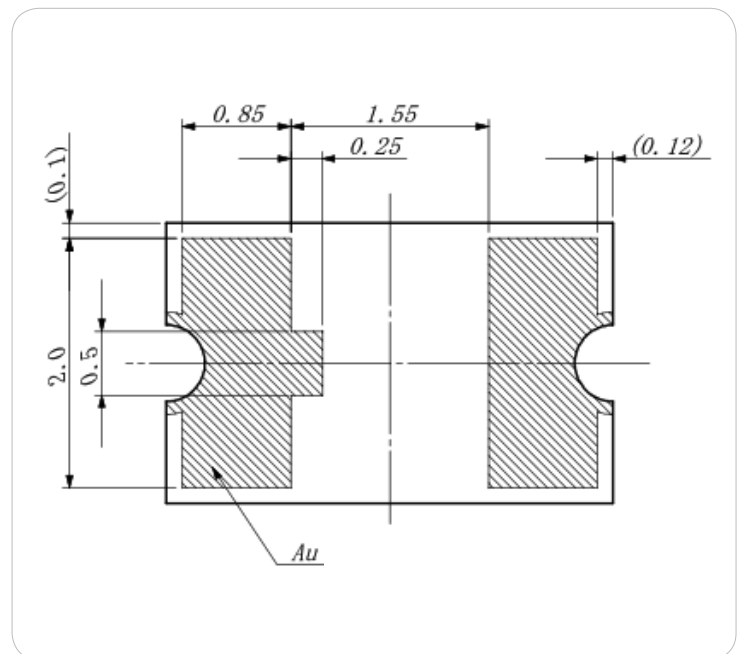
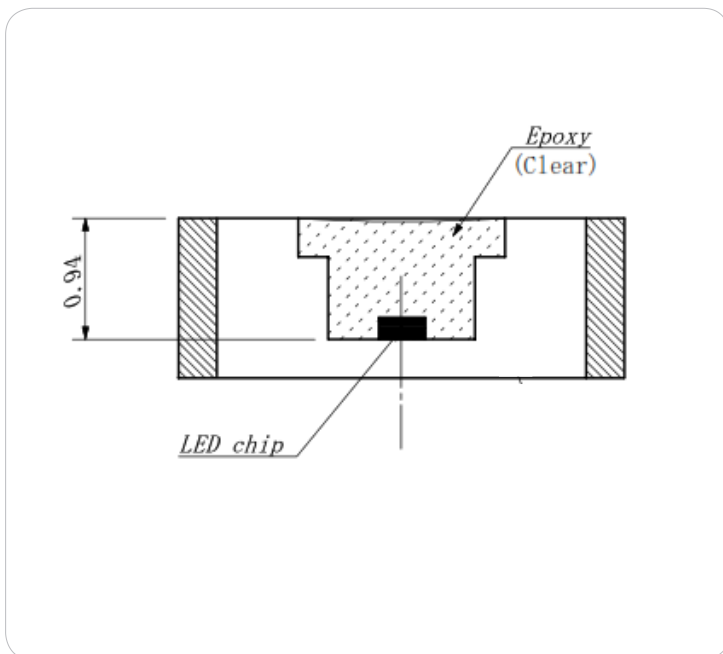
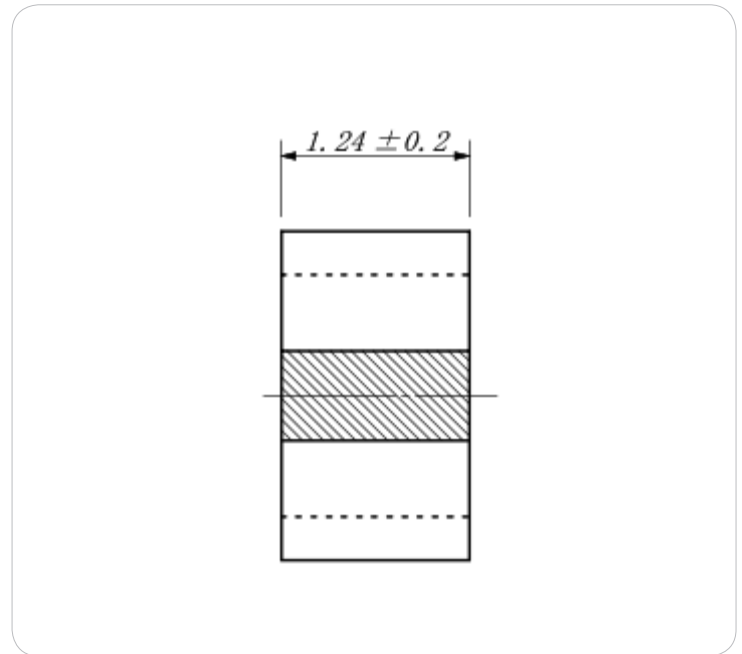
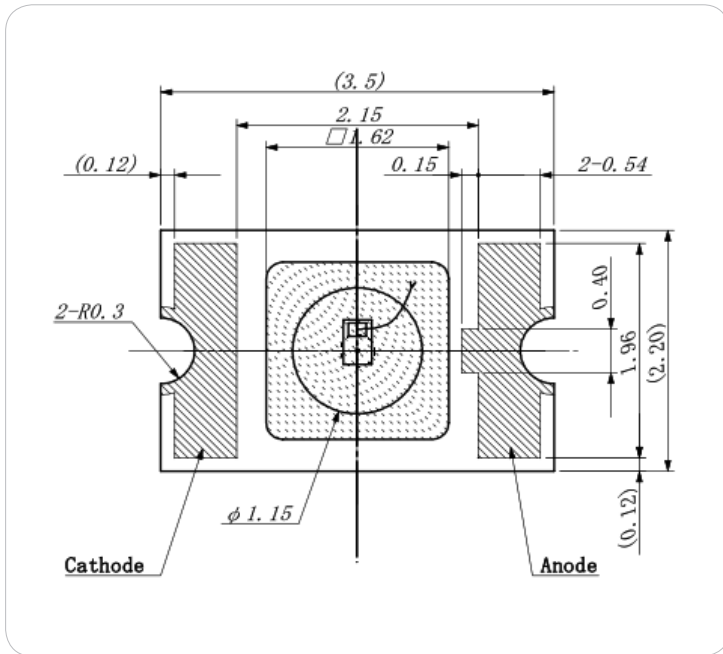
Absolute Maximum Ratings (Ta=25°C)



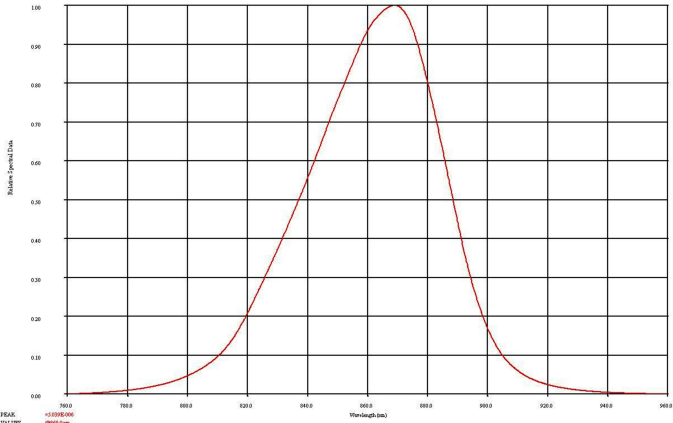
ITEMS	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	30	mA
Reverse Voltage	VR	3	V
Operating Temperature Range	Topr	-20 ~ +80	°C
Storage Temperature Range	Tstg	-30 ~ +100	°C

Electrical & Optical Characteristics (Ta = 25°C)

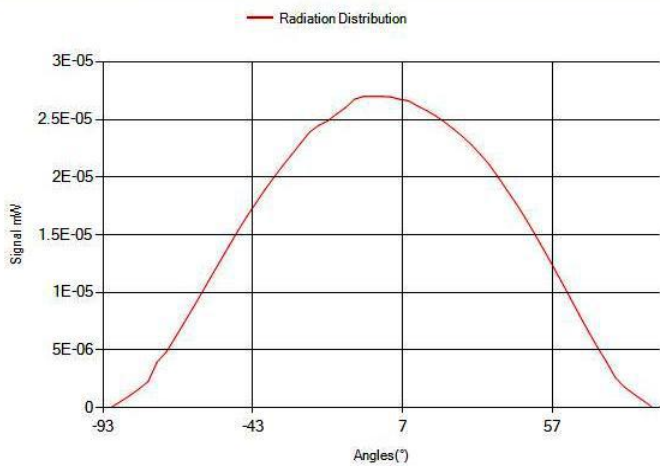
ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=50mA	--	2.22	--	mW
Forward Voltage	VF	IF=50mA	--	2.37	--	V
Reverse Current	IR	VR=5V	--	--	100	μ A
Peak Emission Wavelength	λ_p	IF=50mA	--	855	--	nm
Spectral Line Half Width	$\Delta\lambda$	IF=50mA	--	51	--	nm
Half Intensity Beam Angle	Θ	IF=50mA	--	± 107	--	deg



SPECTRAL OUTPUT



Radiation Distribution



View Angle

