

Peak Emission Wavelength: 855nm

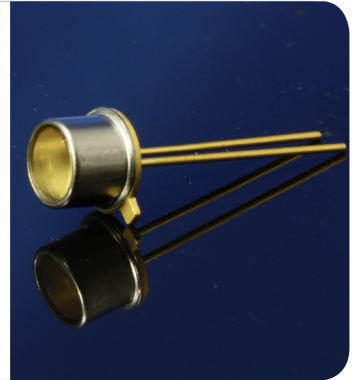
The 855nm Point Source Series is designed for applications requiring high accuracy and precision as well as uniform spectral emission. Custom package solutions and sorting are available.

FEATURES

- > Hermetically Sealed TO-46
- > Emitting Window Diameter Φ 35 μ m
- > Gold Plated Flat Top Can
- > High Reliability / High Output Power

APPLICATIONS

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



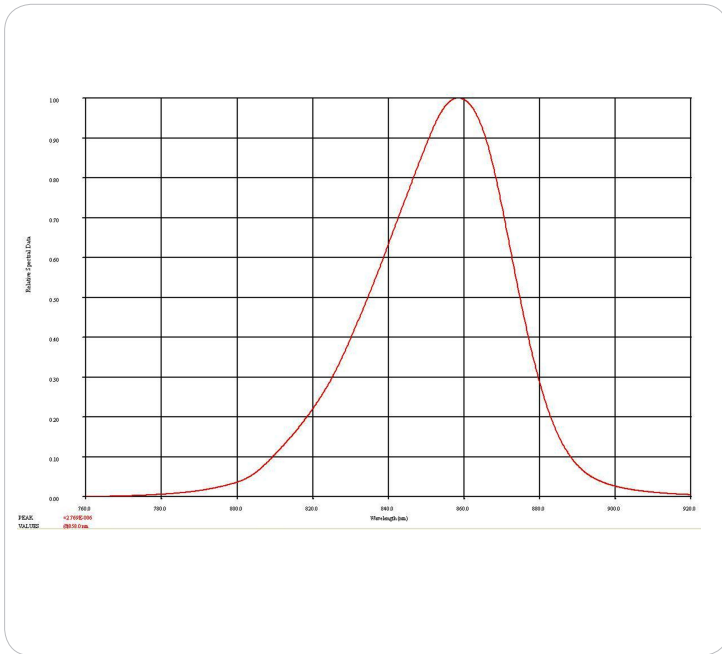
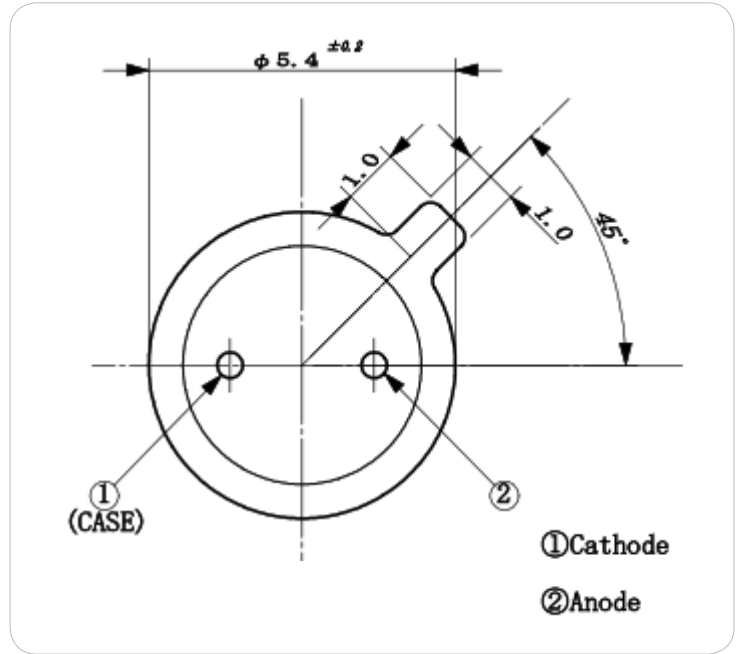
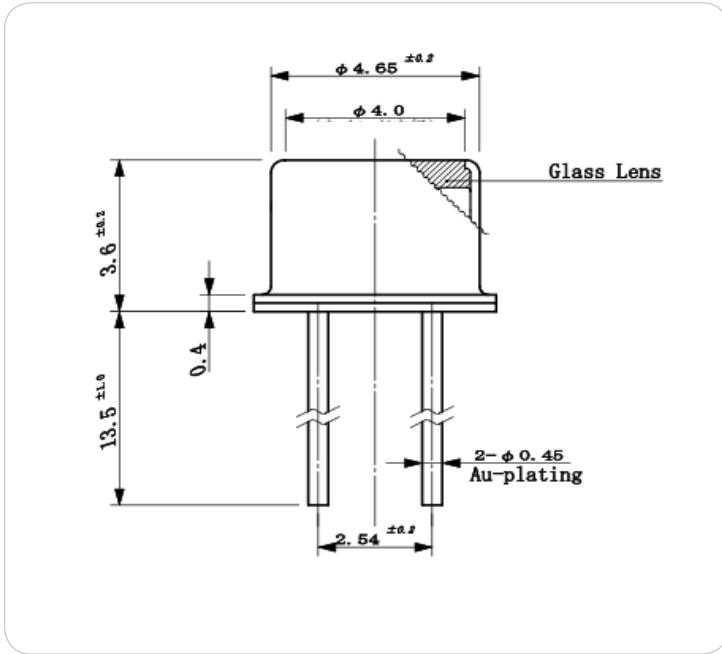
Absolute Maximum Ratings (Ta=25°C)



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)

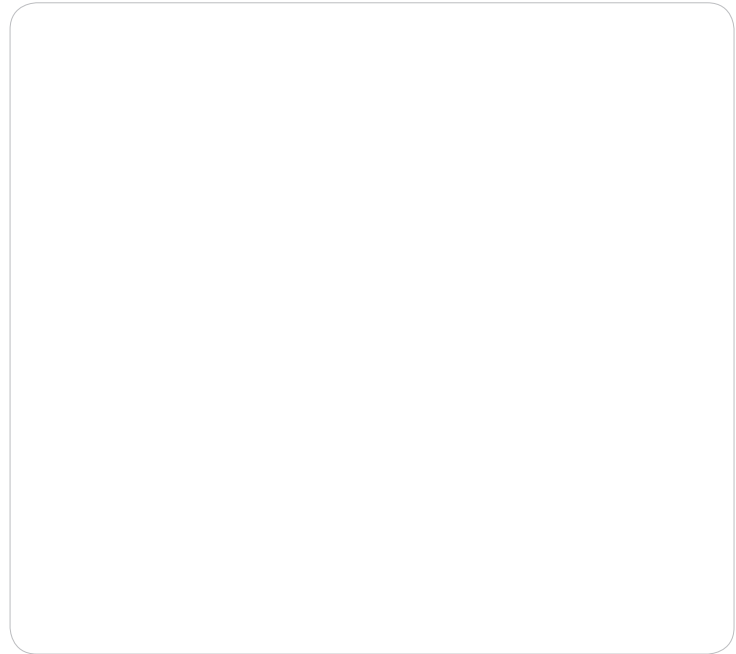
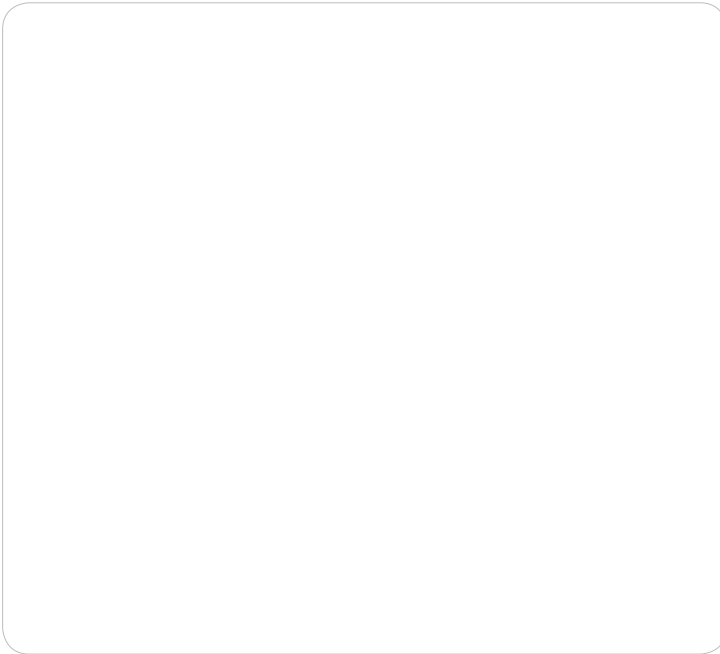
ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=50mA	--	0.98	--	mW
Forward Voltage	VF	IF=50mA	--	1.96	2.4	V
Reverse Current	IR	VR=5V	--	--	10	μ A
Peak Emission Wavelength	λ_p	IF=50mA	--	855	--	nm
Spectral Line Half Width	$\Delta\lambda$	IF=50mA	--	40	--	nm
Half Intensity Beam Angle	Θ	IF=50mA	--	± 107	--	deg



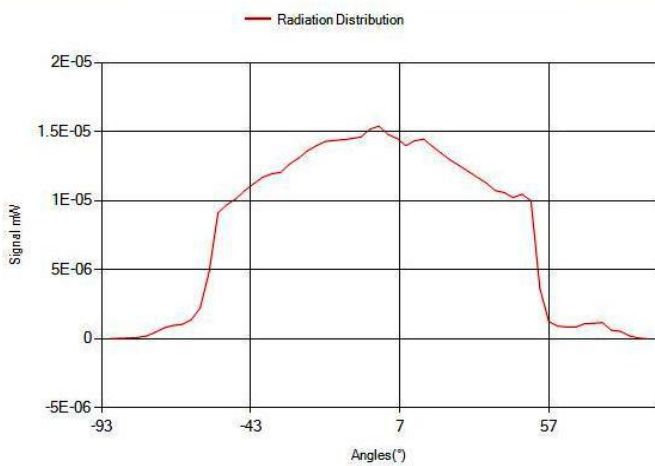
Unit: mm, Tolerance: ± 0.2

The information contained herein is subject to change without notice.

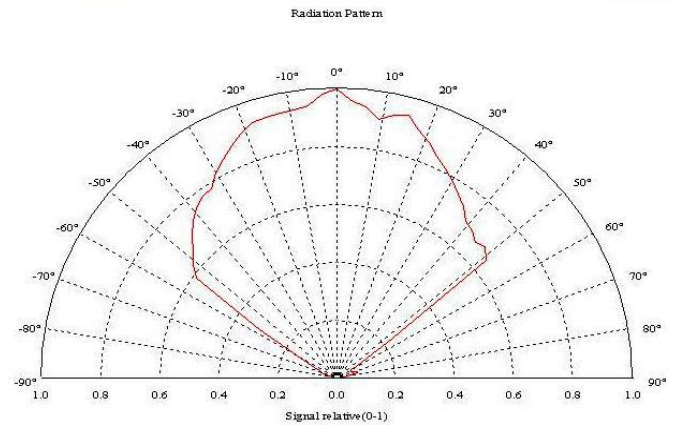
2026-03-27



Radiation Distribution



View Angle



Unit: mm, Tolerance: ± 0.2

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