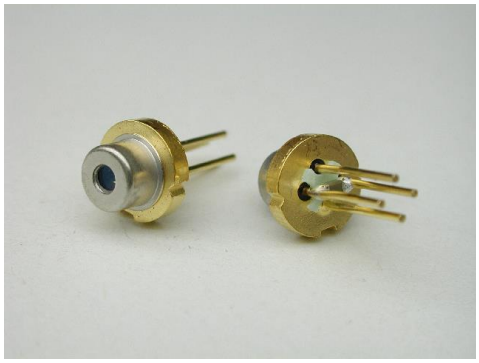
0.8μm SLD CAN *AS8K215GY30M*

The AS8K215GY30M is SLD (Super-Luminescent Diode) developed as incoherent light sources for various optical measurements including Optical Coherent Tomography (OCT). The device emits wide spectral incoherent light. High intensity in a narrow radiation angle makes high-efficient optical coupling to a single mode fiber.

♦ FEATURES

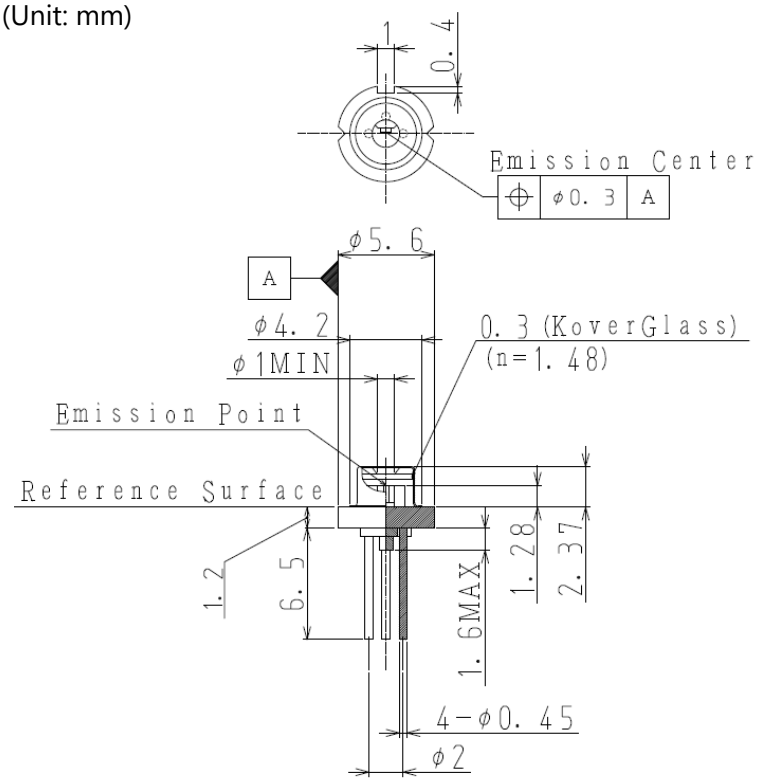


- Φ5.6 CAN package
- High optical output Po = 5 mW
- Wide spectral half width Δλ=15 nm (Typ.)
- Built-in monitor photo diode

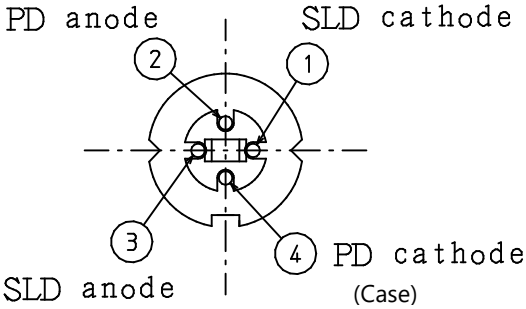
♦ APPLICATIONS

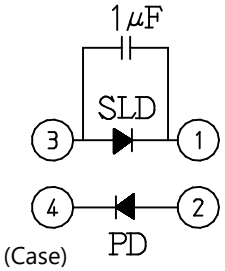
- Optical sensor / Optical encoder
- Optical Coherent Tomography (OCT)
- Optical measurement
- Substitute for high power LED

♦ DIMENSIONS (Unit: mm)



♦ PIN CONFIGURATION





♦ ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Rating	Unit
SLD Reverse Voltage	V_R	2.0	V
Optical Output Power	P_o	6	mW
SLD Forward Current	I_F	120	mA
PD Reverse Voltage	V_{RD}	15	V
Operating Case Temperature	T_C	-20 to 70	°C
Storage Temperature *1	T_{stg}	-40 to 80	°C

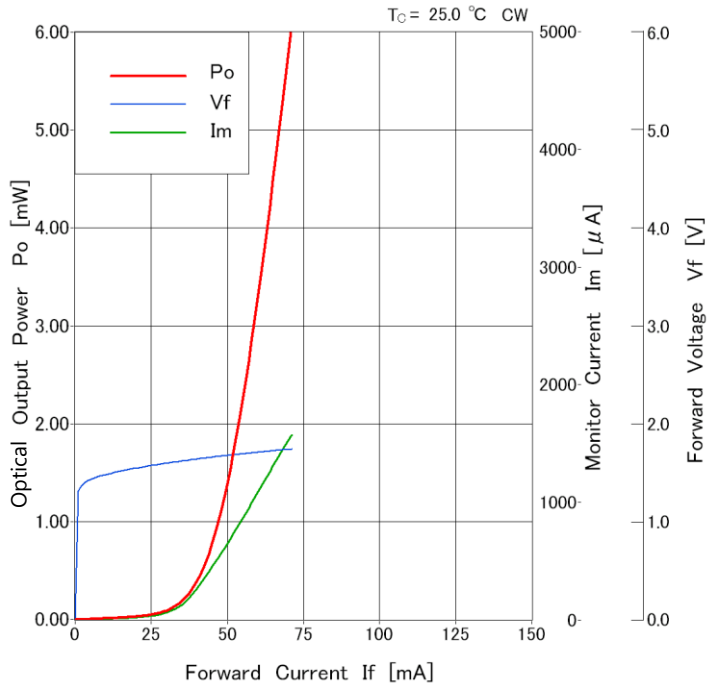
*Excess over the absolute maximum ratings may lead to damage.
*1 No condensation

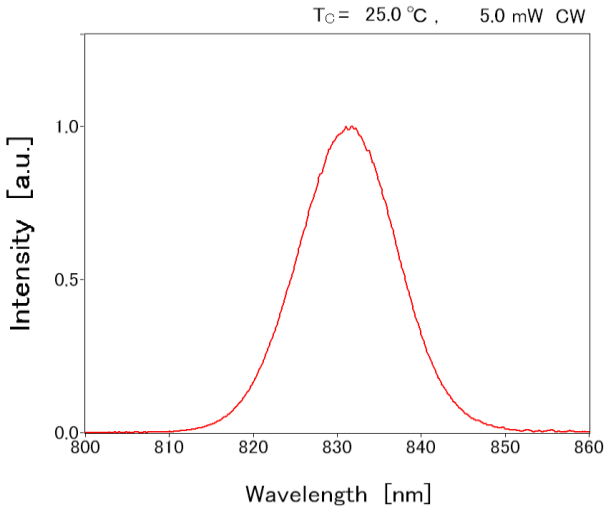
♦ OPTICAL AND ELECTRICAL CHARACTERISTICS (T_C=25°C)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
SLD Forward Current	I_F	P_O= 5 mW	-	70	100	mA
SLD Forward Voltage	V_F	P_O= 5 mW	-	2.0	2.5	V
Center Wavelength	λ_C	P_O= 5 mW	810	830	850	nm
Spectral Half Width	$\Delta\lambda$	P_O= 5 mW	10	15	-	nm
Spectral Modulation	M_d	P_O= 5 mW	-	2	10	%
PD Monitor Current	I_m	P_O= 5 mW, V_{RD}=5 V	0.2	1.5	2.2	mA
Parallel Beam Divergence	θ //	P_O= 5 mW	-	15	-	deg
Perpendicular Beam Divergence	θ⊥	P_O= 5 mW	-	45	-	deg

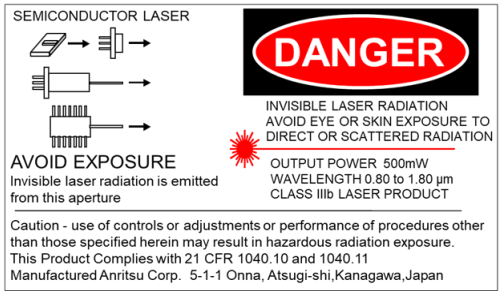
♦ TYPICAL CHARACTERISTICS

Optical Output Power / Monitor Current / Forward Voltage – Forward Current Characteristics / Emission Spectrum





CAUTION : Handle the fiber of the enclosed device(s) with extreme care ; glass fiber is subject to breakage if mishandled and permanent damage to the device may result. Do not pull the device by the fiber or protective sleeve.
Do not coil the fiber into a loop of than 30 mm in radius.



Anritsu Advancing beyond

Please contact following local office for the quotation and order.
Anritsu Corporation reserves the right to change the content of the catalog at any time without notice.

ANRITSU CORPORATION
SENSING & DEVICES COMPANY
OVERSEAS SALES DEPT

Tel +81 46 296 6783 fax +81 46 225 8390
5-1-1 Onna, Atsugi-shi, Kanagawa
243-8555 Japan

URL: https://www.anritsu.com/sensing-devices

This product and its manuals may require an Export License / Approval by the Government of the product's country of origin for re-export from your country. Before re-exporting the product or manuals, please contact us to confirm whether they are export-controlled items or not. When you dispose of export-controlled items, the products / manuals need to be broken / shredded so as not to be unlawfully used for military purpose.