

0.8 μ m SLD MODULE

AS8E210GP30M

Optical fiber output power 1mW

The AS8E210GP30M is SLD (Super-Luminescent Diode) module developed as incoherent light sources for various optical measurements. The device emits incoherent light having wide spectral half width and high output power from PMF (polarization-maintaining fiber).

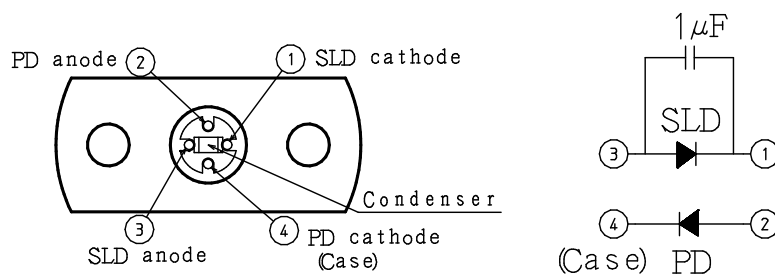
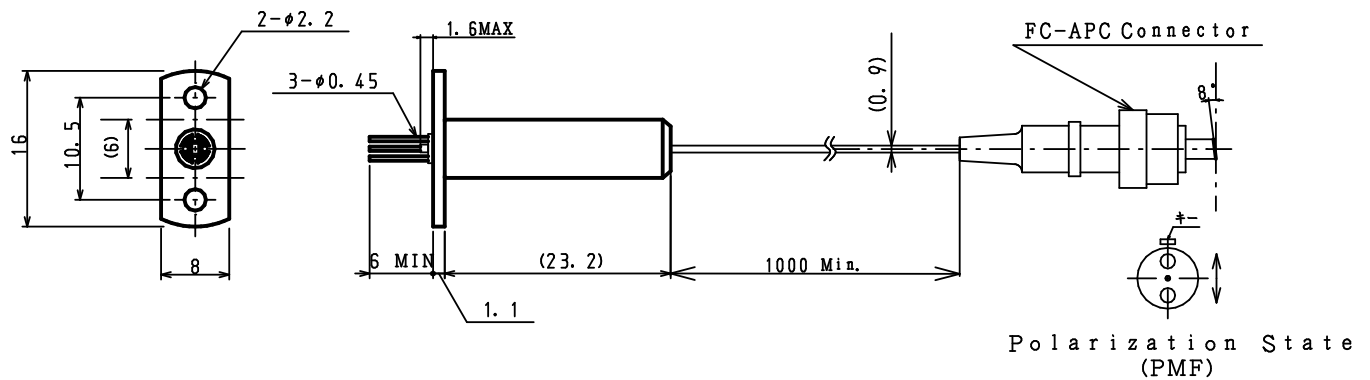
■ FEATURES

- PMF output coolerless coaxial module
- High optical output $P_f = 1\text{mW}$
- Wide spectral half width $\Delta\lambda = 15\text{nm}$
- Built-in monitor photo diode

■ APPLICATIONS

- Optical sensor / Optical encoder
- Optical Coherent Tomography (OCT)
- Optical measurement

■ DIMENSIONS



■ ABSOLUTE MAXIMUM RATINGS

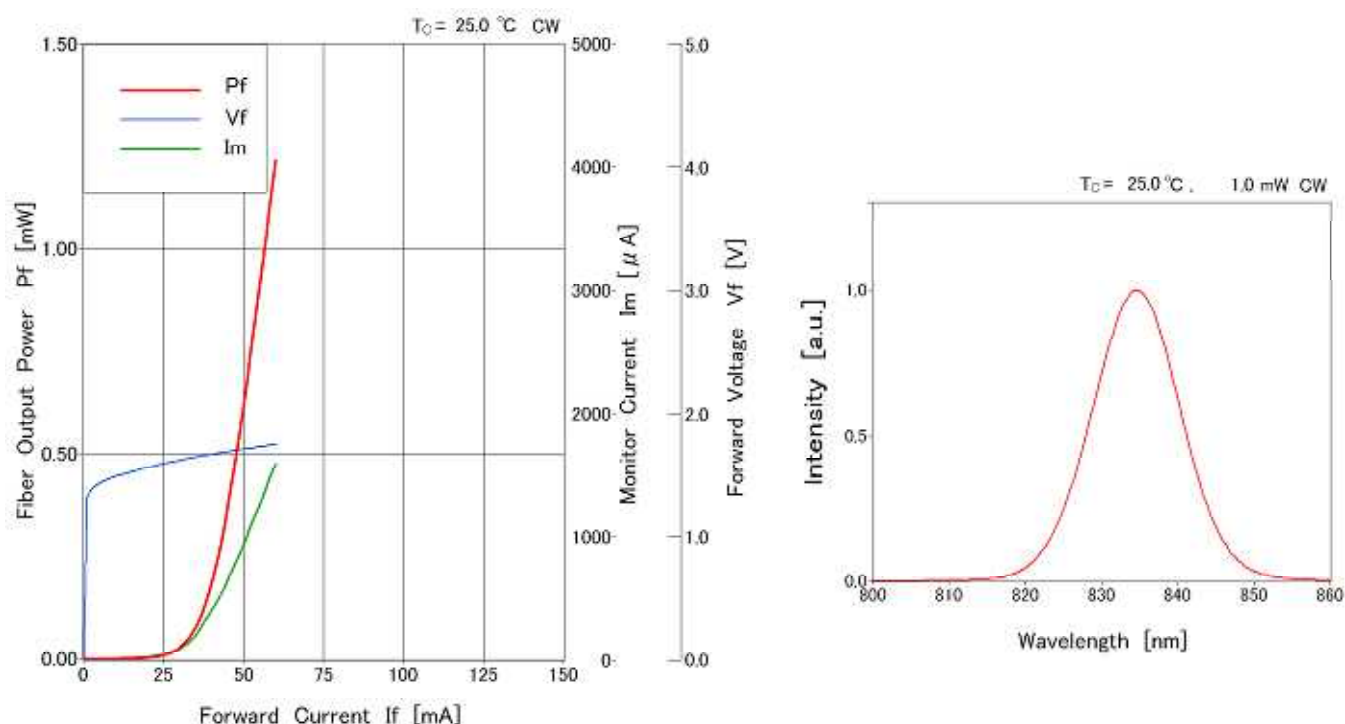
Item	Symbol	Rating	Unit
Optical Output Power	P_f	1.2	mW
SLD Forward Current	I_F	120	mA
SLD Reverse Voltage	V_R	2	V
PD Reverse Voltage	V_{RD}	15	V
Operating Case temperature	T_C	-20 ~ +70	
Storage Temperature	T_{stg}	-40 ~ +80	

■ OPTICAL AND ELECTRICAL CHARACTERISTICS ($T_C=25^\circ\text{C}$)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
SLD Forward Current	I_F	$P_f=1\text{mW}$		70	100	mA
SLD Forward Voltage	V_F	$P_f=1\text{mW}$		2.0	2.5	V
Center Wavelength	λ_C	$P_f=1\text{mW}$	810	830	850	nm
Spectral Half Width	λ	$P_f=1\text{mW}$	10	15		nm
Spectral Modulation	M_d	$P_f=1\text{mW}$		2	10	%
PD Monitor Current	I_m	$P_f=1\text{mW}$, $V_{RD}=5\text{V}$	0.2	1.5		mA
Tracking Error	P_f	$I_m=\text{Const}$, $T_C = -20 \sim +70$	-2.0		2.0	dB

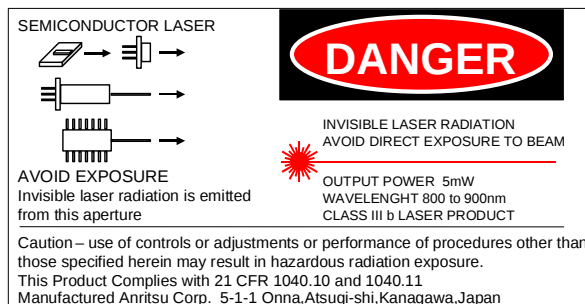
■ AS8E210GP30M TYPICAL CHARACTERISTICS

Fiber output power / Monitor Current / Forward voltage – Forward current characteristics / Emission spectrum



Note :

Anritsu Corporation reserves the right to change the design or specification of the product at any time without notice.



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