

1.31 μ m SLD MODULE

AS3E113HJ10M

AS3E113HJ10M is 1.31 μ m SLD(Super-Luminescent Diode) module developed as incoherent light source for various optical measurements. The device emits incoherent light having wide spectral half width and high output power from SMF (single-mode fiber).

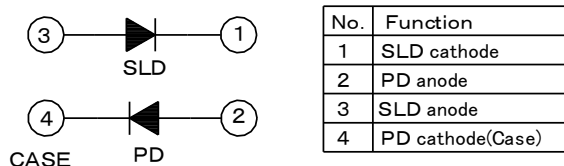
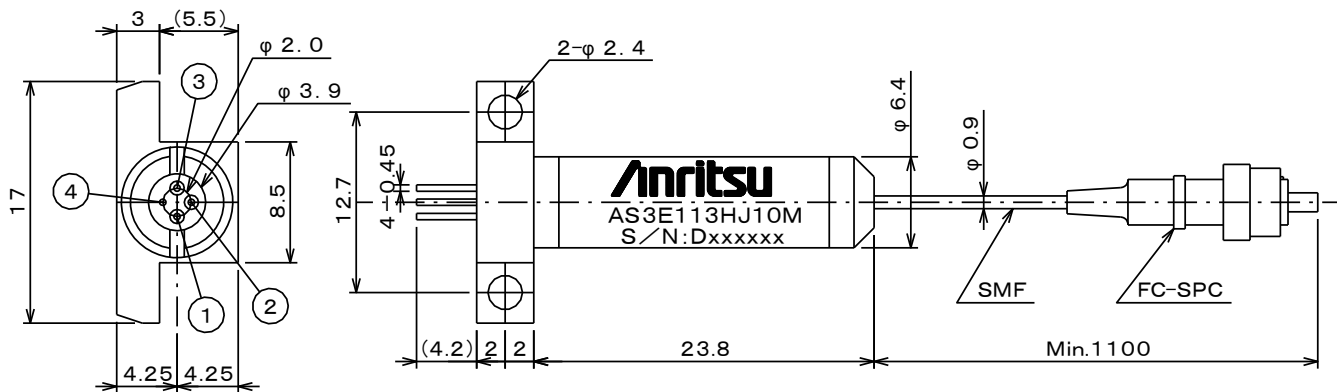
◆ FEATURES

- High optical output : 3mW/ \leq 250mA
- Wide spectral half width $\Delta\lambda=53$ nm (typ.)
- Built-in optical isolator
- Internal monitor PD

◆ APPLICATIONS

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

◆ DIMENSIONS (Unit: mm)



Pin Configuration

◆ OPTICAL AND ELECTRICAL CHARACTERISTICS (T_{SLD}=25deg.C, T_C=25deg.C)

Item	Symbol	Test condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _f	P _f =3mW			2.0	V
Forward Current (BOL)	I _f	P _f =3mW			250	mA
Center Wavelength	λ_c	P _f =3mW, -3dB	1290	1310	1330	nm
Spectral Width	$\Delta\lambda$	P _f =3mW, -3dB	50	53		nm
Spectral Ripple	M	P _f =3mW, res=0.1nm			0.4	dB
Monitor Current	I _m	P _f =3mW, V _{RD} =5V	500		2500	μ A
PD Dark Current	I _d	V _{RD} =5V			0.1	μ A
Optical Isolation	R _o	$\lambda=1310$ nm, T _c =25 $^{\circ}$ C		30		dB

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