

YSB322F4C-4-P
1.25G 1310nm/1490nm BOSA
Features:

- ◆ High-stability 1310nm MQW-FP laser
- ◆ InGaAs PIN+TIA
- ◆ Built-in InGaAsP monitor photodiode
- ◆ Low threshold
- ◆ High reliability
- ◆ SC/UPC connector

Application:

- Optical communication system

Specification:

Transmitter Characteristics	Symbol	Test	Min	Typ	Max	Unit
Power	Pout	Iop=Ith+20mA, T=25°C	1.2	-	-	mW
		Iop=Ith+20mA, T=-40~85°C	0.7	-	-	mW
Threshold Current	Ith	T=25°C	-	10	15	mA
		T=-40~85°C	1	-	35	mA
Center Wavelength	λ	Iop=Ith+20mA, T=25°C	1300	1310	1320	nm
Spectral Width	$\Delta \lambda$	Iop=Ith+20mA, T=-40~85°C	-	-	3	nm
Tracking Error	TE	Iop=Ith+20mA, T=-40~85°C	-1.5	-	1.5	dB
Rise and Fall times	Tr/Tf	T=25°C, 20%~80%	-	-	0.24	ns
Monitor PD Current	Im	T=25°C, Iop=Ith+20mA	100	-	1500	uA
Monitor PD Dark Current	Id	T=25°C	-	-	100	nA

Receiver Characteristics	Symbol	Test	Min	Typ	Max	Unit
Wavelength Range	λ	T=25°C	1480	1490	1500	nm
Sensitivity	Sens	BER=10 ⁻¹² @1.25G, ER=10dB, PRBS2 ⁷ -1	-	-	-28	dBm
Overload	P		-3	-	-	dBm
Optical Return Loss	ORL	λ =1310nm	6	-	-	dB
		λ =1490nm	12	-	-	dB

产品名称: YSB322F4C-4-P

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