

YSTA341DG-LC

LC 10G 1310nm DFB TOSA

Features:

- ◆ 1310nm DFB LD
- ◆ Built-in photodiode monitor
- ◆ High stability
- ◆ LC SM Receptacle Package

Application:

- Optical Communication System
- Test Instruments



Specification:

Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Output Optical Power	P _{out}	I _{op} =I _{th} +20mA, T=25°C	0.4	-	0.7	mW
Center Wavelength	λ	I _{op} =I _{th} +20mA, T=25°C	1290	1310	1330	nm
Spectral width	$\Delta \lambda$	CW	-	-	1	nm
Threshold Current	I _{th}	CW, T=25°C	-	-	15	mA
		CW, T=-40~85°C	-	-	35	mA
Side Mode Suppression Ratio	SMSR	CW, I _{op} =I _{th} +20mA	30	40	-	dB
Operating Voltage	V _{op}	CW, I _{op} =I _{th} +20mA	-	1.1	1.5	V
Fall/Rise Time	T _r /T _f	20%-80%	-	-	0.26	ns
Tracking Error	TE	T=-40~85°C	-1.5	-	1.5	dB
Monitor Current	I _m	CW	100	-	1500	uA
Monitor Dark Current	I _d	CW	-	-	100	nA
Optical Return Loss	RL	$\lambda = 1310\text{nm}$	25	-	-	dB

Absolute Maximum Ratings:

Parameter	Symbol	Value	Unit
Forward Current (LD)	I _{F(LD)}	100	mA
Reverse Voltage (LD)	V _{R(LD)}	2	V
Forward Current (PD)	I _{F(PD)}	2	mA
Reverse Voltage (PD)	V _{R(PD)}	15	V
Case Temperature	T _{OP}	-40 ~ +85	°C
Storage Temperature	T _{ST}	-40 ~ +85	°C
Lead Soldering Temperature/Duration	-	260/10	°C/S

产品名称: YSTA341DG-LC

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Dimensions:

