

## 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 <sub>out</sub>	I <sub>op</sub> =I <sub>th</sub> +20mA, T=25°C	0.4	-	0.7	mW
Center Wavelength	λ	I <sub>op</sub> =I <sub>th</sub> +20mA, T=25°C	1290	1310	1330	nm
Spectral width	Δλ	CW	-	-	1	nm
Threshold Current	I <sub>th</sub>	CW, T=25°C	-	-	15	mA
		CW, T=-40~85°C	-	-	35	mA
Side Mode Suppression Ratio	SMSR	CW, I <sub>op</sub> =I <sub>th</sub> +20mA	30	40	-	dB
Operating Voltage	V <sub>op</sub>	CW, I <sub>op</sub> =I <sub>th</sub> +20mA	-	1.1	1.5	V
Fall/Rise Time	T <sub>r</sub> /T <sub>f</sub>	20%-80%	-	-	0.26	ns
Tracking Error	TE	T=-40~85°C	-1.5	-	1.5	dB
Monitor Current	I <sub>m</sub>	CW	100	-	1500	uA
Monitor Dark Current	I <sub>d</sub>	CW	-	-	100	nA
Optical Return Loss	RL	λ = 1310nm	25	-	-	dB

### Absolute Maximum Ratings:

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

产品名称: YSTA341DG-LC

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**Dimensions:**

