

1310nm Uncooled High-Power DFB TO56

SHIJIA's 1310nm High-Power DFB TO56 uncooled, hermetically sealed, 3pin or 4pin TO-56 style packages are a cost-effective means of providing a low-noise light source.

Features:

- Uncooled operation
- 1310nm High-Power DFB laser
- High stability and reliability
- TO56 package with Aspherical Lens Cap
FL=7.8mm
- Operating case temperature: 0 to 70°C
- Qualified meet ROHS requirement

Applications:

- Optical fiber sensor
- Other optical transmission system



Optical and Electrical Characteristics(Tc=25°C±2°C, Unless otherwise noted):

Parameter	Symbol	Min	Typ	Max	Units	Notes
Threshold Current	I _{th}		23	55	mA	CW, T _c =25°C
Output Current	I		150	250	mA	T _c =25°C , P _f =40mW
Centre Wavelength	λ	1300	1310	1320	nm	CW, I _r =200mA
Optical Spectrum Width	Δλ			1	nm	CW I _r =200mA , at -20dB
Side Mode Suppression Ratio	SMSR	30			dB	CW, I _f = 200mA
Monitor Current	I _m	50		4000	uA	I _r =200mA
Monitor Dark Current	I _d			100	nA	V=-5V
Focal Length	FL	7.3	7.8	8.3	mm	

***Remark: Power can be optimized per customer's requirement**