

LDI-660-FP-50

660 nm, FP, 50 mW CW

DESCRIPTION

The module operates in CW mode giving optical power up to 50 mW. Small size and weight allow for installing it on a PCB without additional mounting.

The module provides a Gaussian beam with the field diameter 4.2 μm (fiber type SM04) or 4.5 μm (fiber type SMP04). It is suitable for biomedical systems.

ABSOLUTE MAXIMUM RATINGS

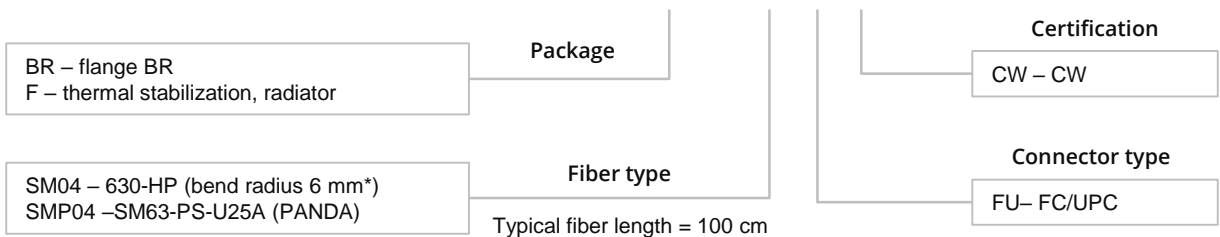
Parameter	Value	Unit
LD forward current, I_{f1}	230	mA
LD reverse voltage, V_{r1}	2	V
Operating temperature, T_c	-30 ÷ +50	°C
Storage temperature, T_{stg}	-40 ÷ +80	°C

ELECTRICAL-OPTICAL CHARACTERISTICS (SINGLE MODE, T = 25 °C)

Parameter		Min	Typ	Max	Unit	Test conditions
Wavelength	λ	652	660	664	nm	CW, P = 50 mW
Threshold current	I_{th}		60	75	mA	CW
Operating current	I_{op}		95	130	mA	CW, P = 20 mW
			160	210		CW, P = 50 mW
Spectral width	$\Delta\lambda$		0.5	1	nm	CW, P = 50 mW, FWHM
Operating voltage	V_{op}		2.6	3.3	V	CW, P = 50 mW
Slope efficiency	S_e		0.46		mW/mA	CW, P = 50 mW

ORDERING INFORMATION

LDI-660-FP-50-X-18-X-X-X



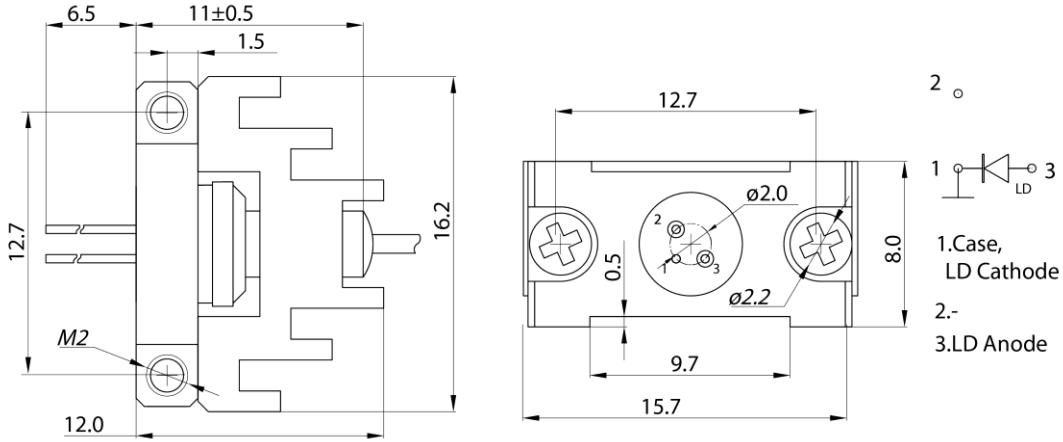
*Attenuation 0.1 dB/loop at 650 nm

Our products are certified by Belarusian Chamber of Commerce. All the components used in production are ISO 9001:2008 certified and comply with RoHS directive. Characteristics, data, materials and structures specified in this datasheet are subject to change without notice.

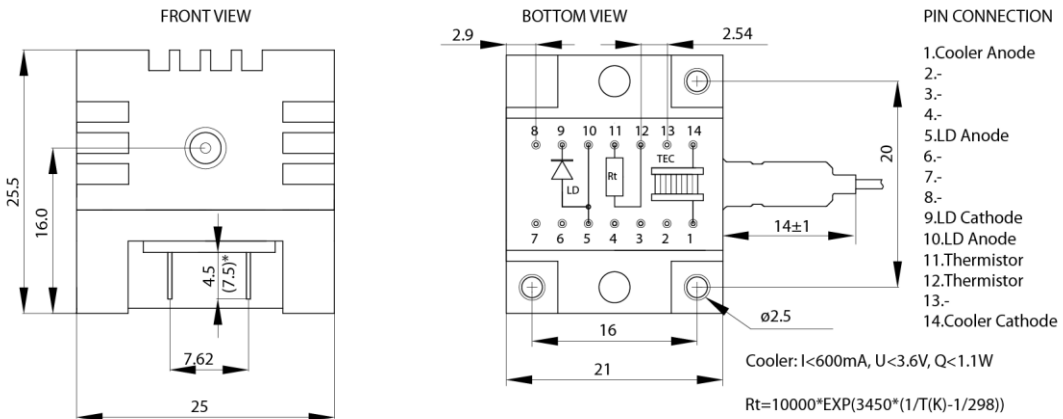
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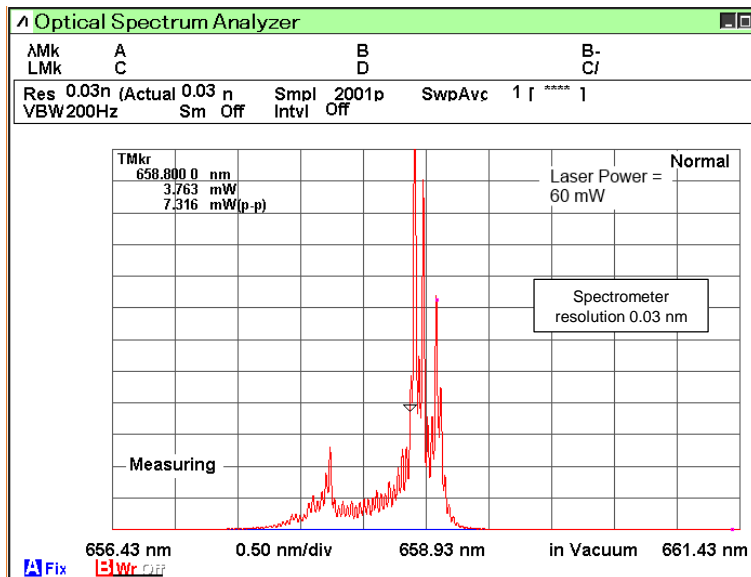
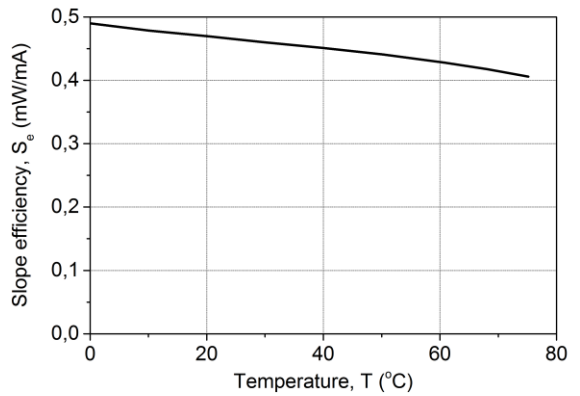
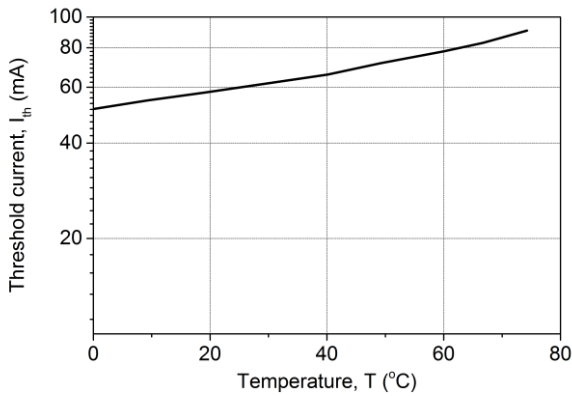
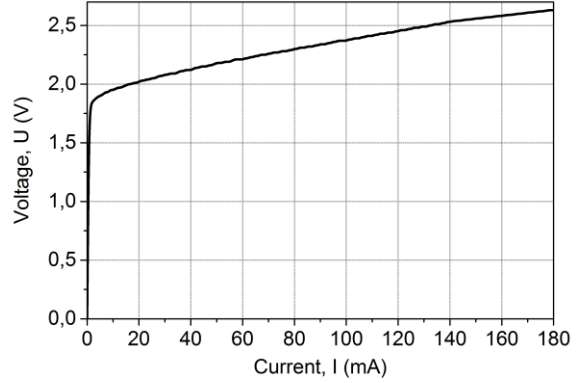
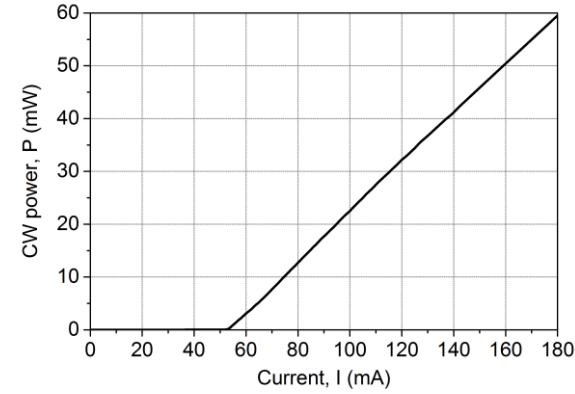


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*Possible pins length 4.5 mm or 7.5 mm.

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