



## PRODUCT DATA SHEET

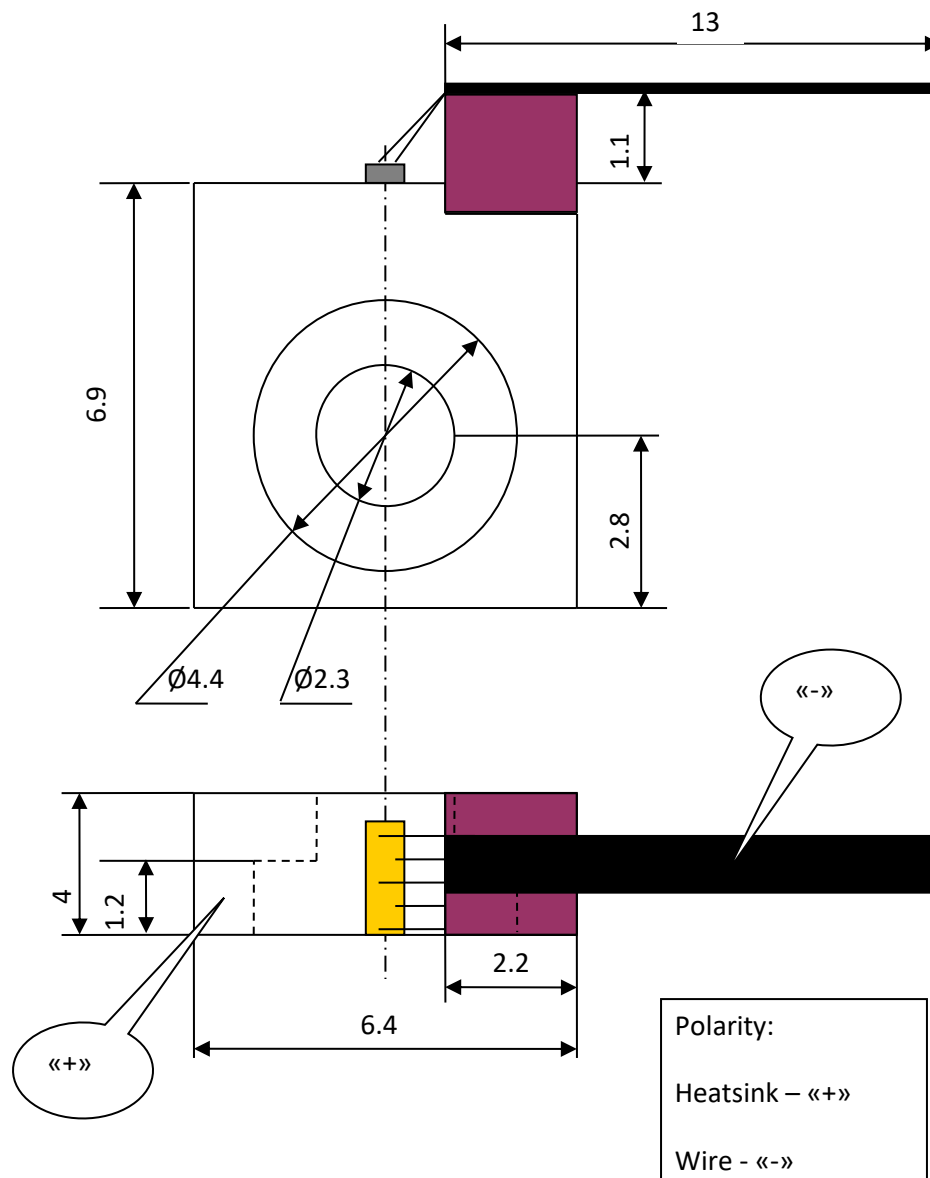
Laser Diode (C/U-mount open heatsinks)

Model FB-M1600-1000CM

Specification	Symbol	Typical	Unit
Laser Emitter			
Peak Wavelength	$\lambda_{op}$	1600±20	nm
CW Optical Output Power	$P_{op}$	1	W
Operation Current	$I_{op}$	<3.5	A
Operation Voltage	$U_{ld}$	1.2±0.1	V
Threshold Current	$I_{th}$	< 0.6	A
Beam Divergence (FWHM) H	$\theta_{  }$	8±2	degree
Beam Divergence (FWHM) V	$\theta_{\perp}$	45±2	degree
Beam Divergence (FWHM) H	$\theta_{\perp}$	1	degree
Spectrum Half-Width (FWHM)	$\Delta\lambda$	< 5	nm
Emitting Area	$W \times d$	100x1	$\mu\text{m} \times \mu\text{m}$
Operation Mode	-	CW, QCW, Pulse ( $\tau > 5\text{ns}$ )	-
Operation Temperature	Top	25	degree
Wavelength Temperature Coefficient	$\Delta\lambda/\Delta T$	4±0.5	Å/degree
Operation Current Temperature Coefficient	$\Delta I/\Delta T$	15±5	mA/degree
Operation Temperature Range		-20... +40	degree
Storage Temperature Range		-40... +80	degree

Drawings:

## Specification of the heat sink - C-mount:





## Specification of the heat sink - U-mount:

