Fibercom Ltd.

PRODUCT DATA SHEET

Laser Diode (C/U-mount open heatsinks)

Model FB-M1060-3000CM

Specification	Symbol	Typical	Unit
Laser Emitter			
Peak Wavelength	λop	1060±20	nm
CW Optical Output Power	Pop	3	W
Operation Current	Iop	<4	A
Operation Voltage	Uld	1.5±0.2	V
Threshold Current	Ith	< 0.6	A
Beam Divergence (FWHM) H	$\theta\parallel$	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	Wxd	100x1	μmxμm
Operation Mode	-	CW, QCW, Pulse (τ>5ns)	-
Operation Temperature	Top	25	degree
Wavelength Temperature Coefficient	$\Delta\lambda/\Delta T$	3±0.2	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

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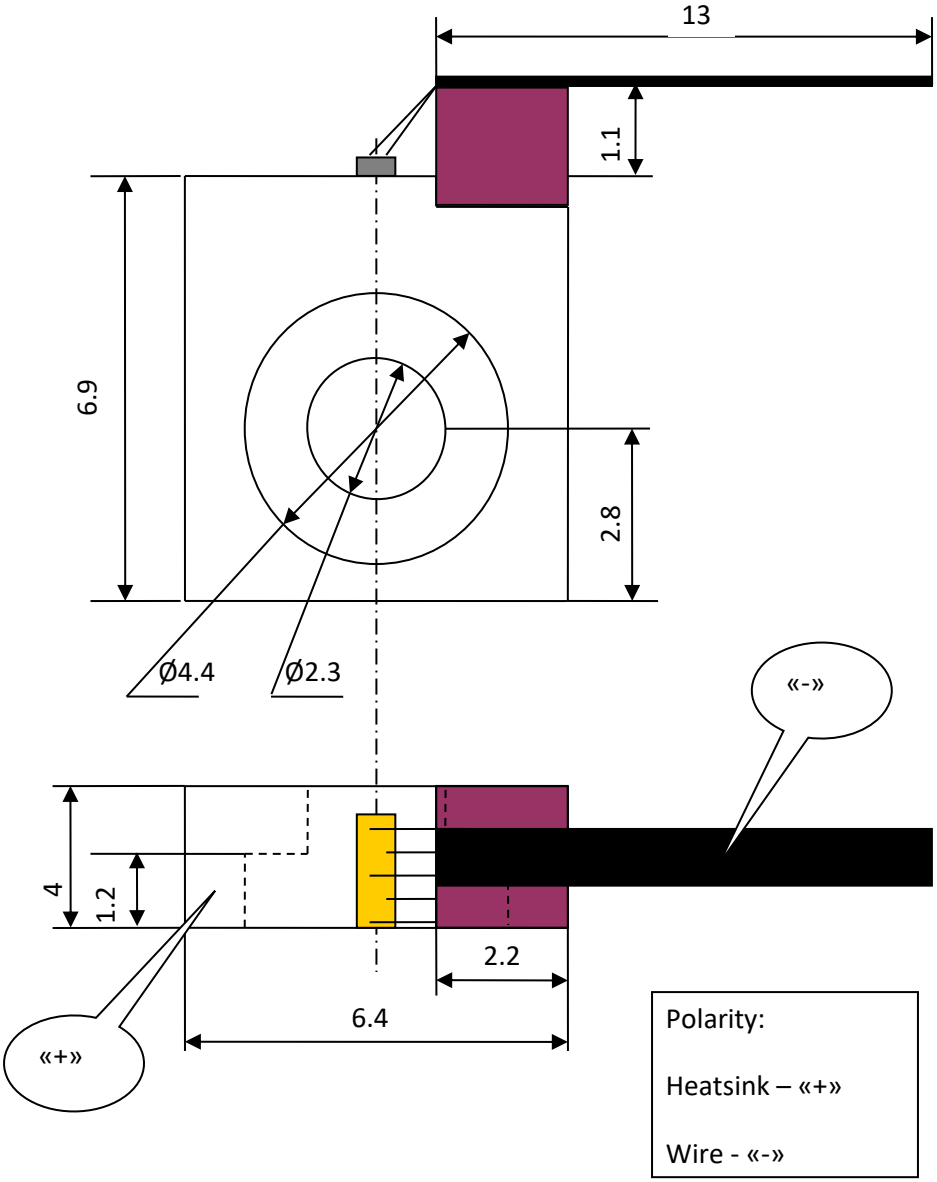
Drawings:

Specification of the heat sink - C-mount:



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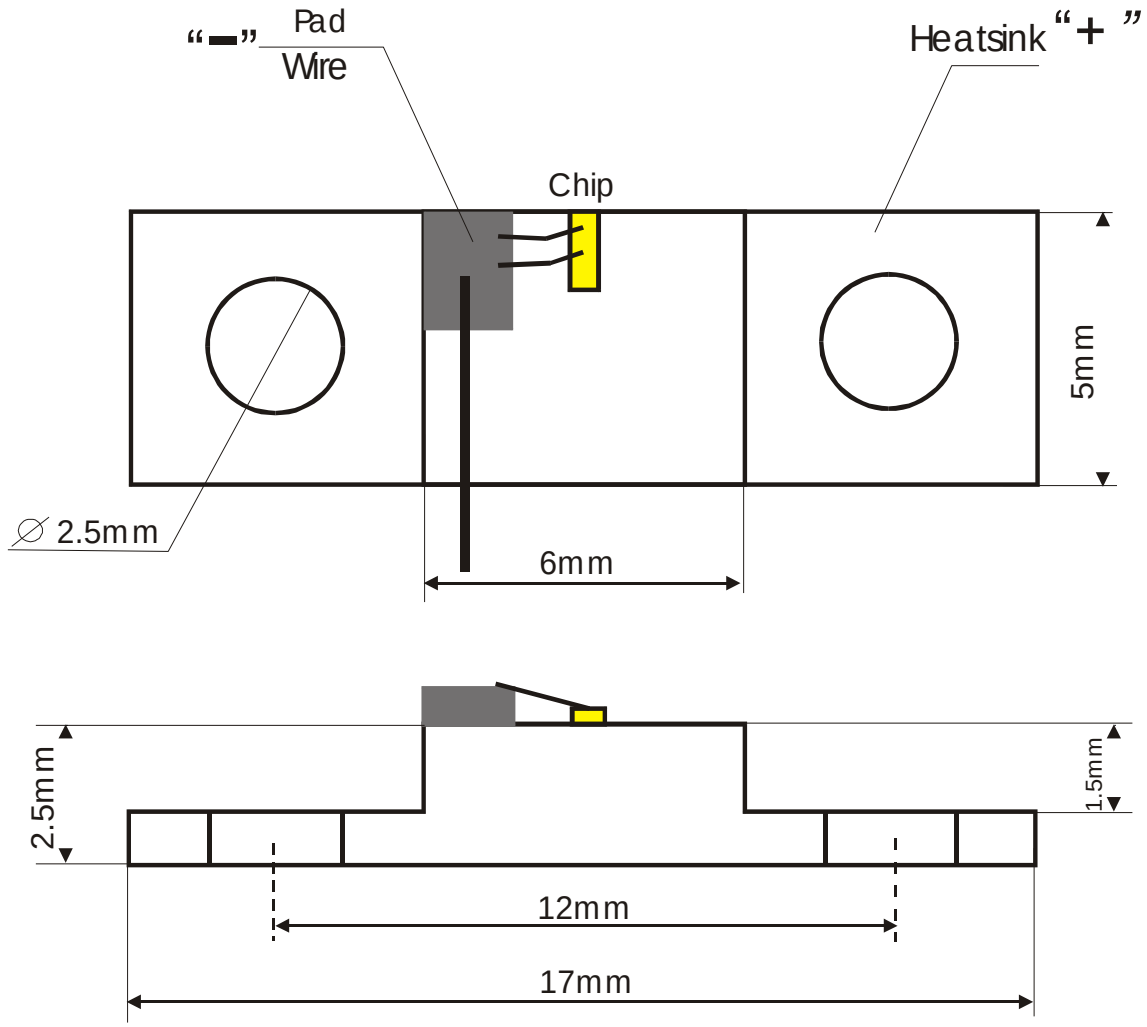
Specification of the heat sink - U-mount:



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