



Item No.: CC940HS100

Item Name: 100W 940nm QCW Conduction Cooled Horizontal Stack Diode Laser

Optical

Center Wavelength λ	940nm
Wavelength Tolerance	± 5 nm
Output Power	100W
Number of Bar	1~15
Working Mode	QCW
Pulse Width	≤ 250 us
Duty Cycle	$\leq 2\%$
Frequency	≤ 200 Hz
Spectral Width FWHM	≤ 3 nm
Fast Axis Divergence(FWHM)	≤ 40 Deg
Slow Axis Divergence (FWHM)	≤ 10 Deg
Polarization Mode	TE
Slope Efficiency	≥ 1.0 W/A

Electrical

Operating Current I_{op}	≤ 105 A
Threshold Current I_{th}	≤ 15 A
Operating Voltage V_{op}	≤ 2 V
Power Conversion Efficiency	$\geq 55\%$

Thermal

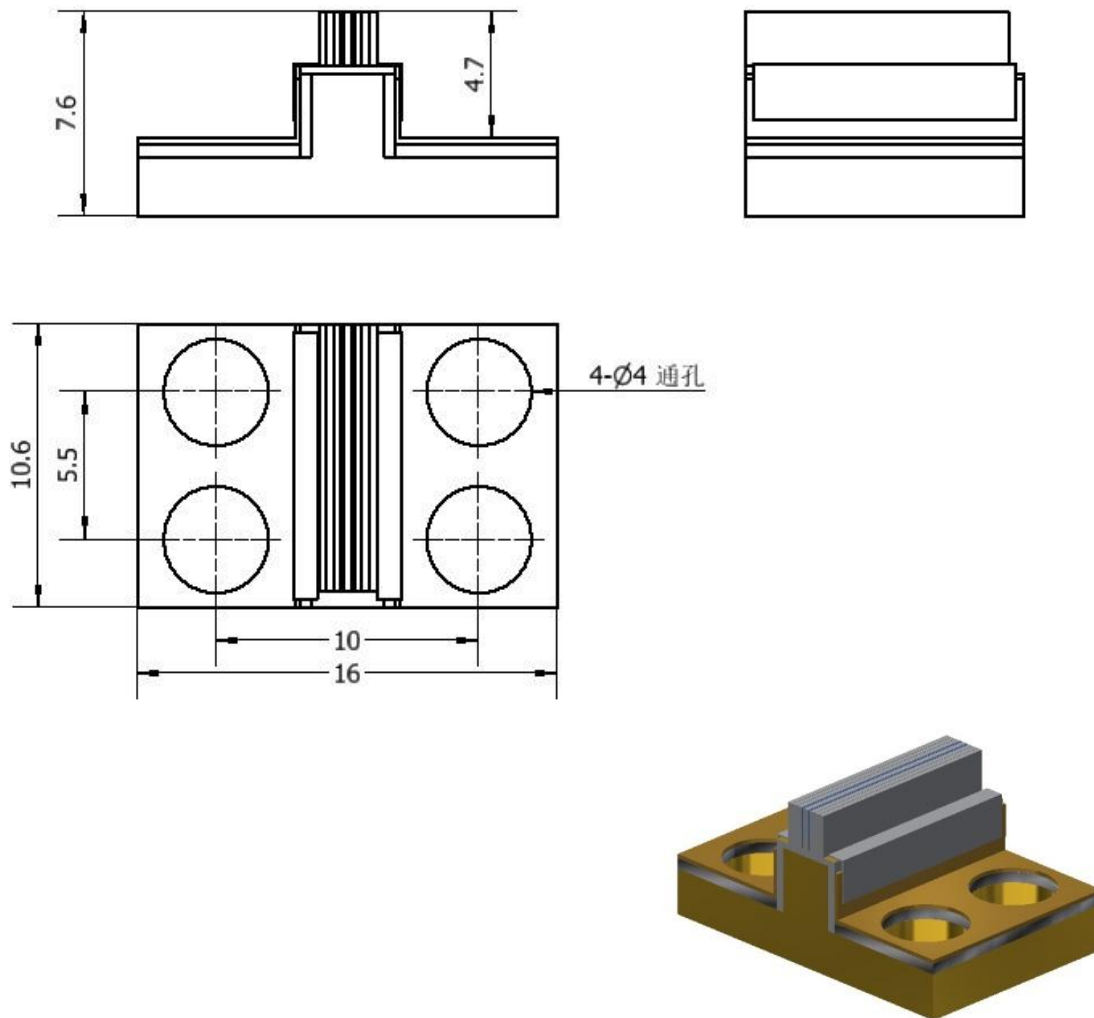
Operating Temperature	70°C
Storage Temperature	-40-85°C
Wavelength Temperature Coefficient	~ 0.33 nm/°C



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Package Drawing



VISIBLE AND INVISIBLE LASER RADIATION.
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION!
CLASS 4 LASER PRODUCT
IEC 825-1