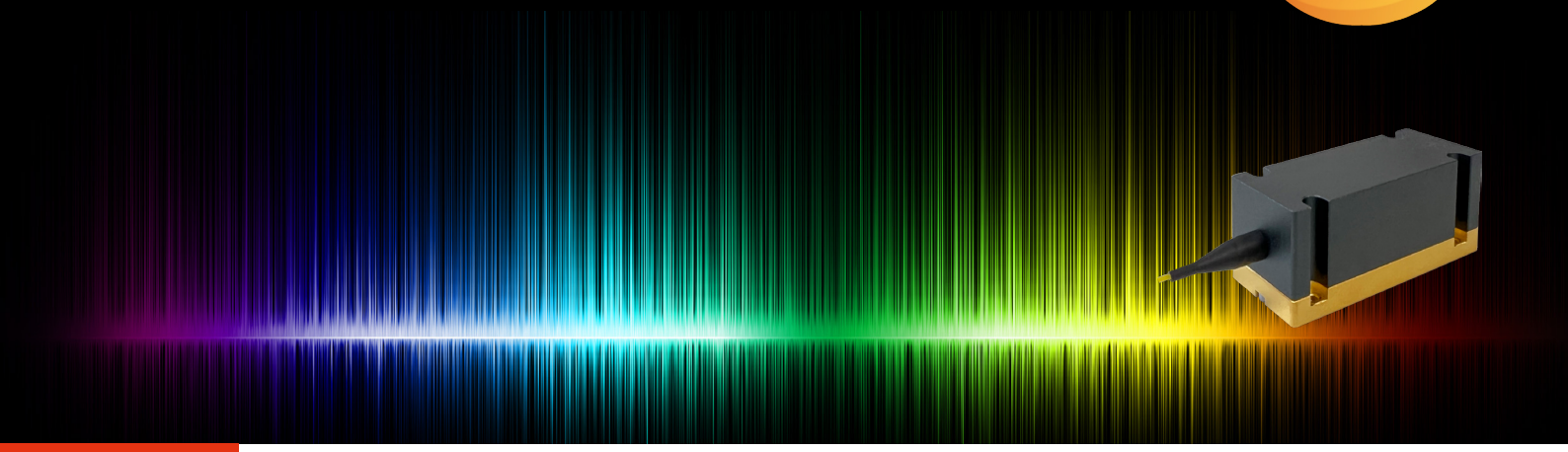
Lasertack

home of diode lasers



FL-638-700

Optical characteristics (typ.)	
Central wavelength (nm typ.)	638
Central wavelength tolerance (nm)	± 5
Linewidth (nm typ.)	≤ 5 nm; 2 nm typical
Transverse mode	multi
Output power (mW typ.)	700
Operation mode	CW / modulated
Power stability (p-p) over 8 hrs within ± 3 °K	<1 % within ± 3 °K
Fiber details	
Fiber Core / NA	105 µm / 0.22 (others on request)
Fiber length	≥ 1 m (other lengths on request)
Connector	SMA905 (other connectors or bare fiber end on request)
Connector ferrule material	Ceramic (stainless steel on request)
Modulation	
MHz	>100
Electrical characteristics	
Threshold current (mA)	200 typ.
Operating current (mA)	1300 max.
Operating voltage (V)	2.8 typ.
General information	
Heat management	18 W heat load at the bottom side of the laser head
Dimensions (mm³)	50 x 21 x 21
Options	
Attachements	fiber collimator for SMA threaded collimators

Lasertack GmbH
Fon: +49 56170562870 Email: info@lasertack.com
Fax: +49 56170562871 Web: www.lasertack.com

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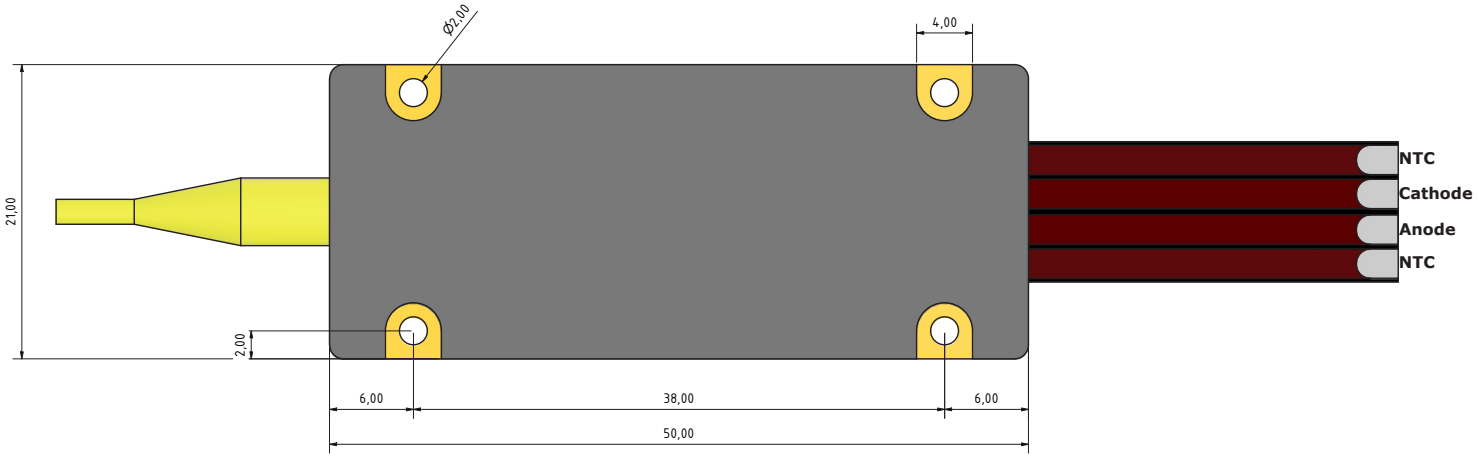

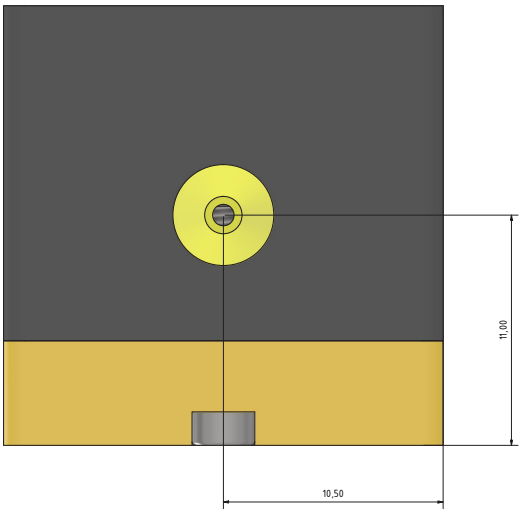

Lasertack GmbH
Fon: +49 56170562870
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Web: www.lasertack.com