

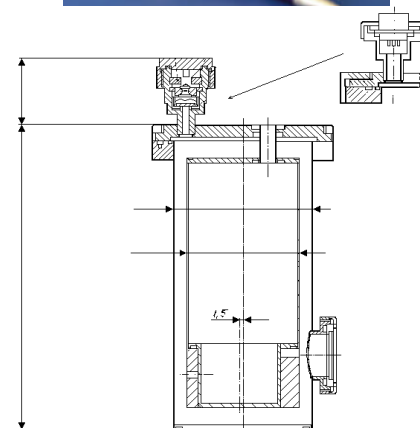
# LASER DIODES 1.6÷3.6 μm

## Model LD320-DW 3.190÷3.290 mm

- LD320-DW is a laser for the spectral range 3.190 - 3.290 μm based on InAsSbP/InAsSb/InAsSbP DHS laser diodes with optical waveguides.
- Laser Diode LD320-DW can operate at cryogenic temperature and up to 100 K in both quasi-CW and pulsed regimes.
- In LD320-DW laser diode is mounted in compact Dewar with heating system and thermistor inside. Increasing temperature you can tune laser mode to longer wavelengths.



Characteristics	Symbol	LD320-DW	Unit
<b>Laser diode parameters</b>		<b>#V11741-2</b>	
Optical output power (quasi-CW regime)	$P_{qCW}$	0.8	mW
Optical output power (pulsed regime)	$P_{peak}$	16	mW
Threshold current	$I_{TH}$	30	mA
Beam divergence (FWHM)	$\Theta_{II} \times \Theta_{\perp}$	30 x 50	deg
Spectral width	$\Delta\lambda$	< 60	MHz
Mode structure in determined current and temperature range	-	SLM	-
Package	-	Dewar	-
<b>Maximum ratings</b>			
Laser drive current (quasi-CW)	$I_{LDmax}$	<60	mA
Heating current	$I_{HEATmax}$	<0.4	A
Heating voltage	$U_{TECmax}$	<20	V



### Recommended regimes of operation

