Selected AR-Diodes @ Nice Price

The output facet of these diodes is coated with a high-quality AR coating. A common use of AR laser diodes is within an external cavity, allowing the exploitation of almost the entire gain spectrum for single frequency laser operation when used with a suitable wavelength selective element in the cavity.

Relevant laser parameters such as threshold current, slope efficiency and maximum output power depend strongly on the quality of the external cavity. We list here the typical values achieved in our tunable external cavity diode laser DL 100. WLmin, WLmax, MHFTR, Pdl specify the shortest wavelength, longest wavelength, mode-hop free tuning range and output power, respectively. The power is specified for the central part of the tuning range and can be lower at the edges.

All diodes operate in single transverse mode. They are shipped in industrial standard packages (5.6 mm or 9 mm can) unless mentioned otherwise.

The laser diodes listed here are no longer integrated in our spectroscopic systems but are sold for an advantageous price. Most of the diodes were just outdated by a newer version with more output power but are wit because a specific parameter does not meet the strict quality requirements of TOPTICA. We state these issues under ‘remarks’ and you might decide if this is of importance for your application.

********** No technical support for these diodes with spectroscopic or ECDL concerns **********

WLmin nm	WLmax nm	MHFTR GHz	Pdl mW	PO#	Stock	Remark
			20	#LD-1400-0020-AR-1	1	20mW at 1420nm (no good AR)
			30	#LD-0790-0030-AR-1	> 3	Superlum. diode, no ECDL
1340	1405		5	#LD-1370-0005-AR-1	3	Open can,
1530	1595	8	7	#LD-1570-0007-AR-1	> 3	

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