



## Fabry-Perot Laser Diodes

The wavelength is measured under standard working conditions (25°C, maximum power). It can shift to a shorter wavelength at lower temperature and less current. The wavelength of diodes marked "not selected" is specified to the precision of the manufacturing process (typically +5nm) and is not measured for the individual diode.

**WL** wavelength of free running diode **P** output power of free running diode **Linewidth  $\Delta\nu$**  laser linewidth with DLC DL pro  
**WLmin, WLmax** shortest and longest wavelength **Pd** output power ex resonator with DLC DL pro or similar  
**MHFTR** mode-hop free tuning range or similar

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

WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
370.0	20	369.2	370.2	10	16	100	#LD-0375-0020-2	> 3	
371.0	20	370.2	371.2	10	16	100	#LD-0375-0020-2	> 3	
373.0	70	372.2	373.2	10	13	100	#LD-0375-0070-1	u.r.	
374.0	70	373.2	374.2	10	13	100	#LD-0375-0070-1	u.r.	
375.0	70	374.2	375.2	10	13	100	#LD-0375-0070-1	1	
376.0	70	375.2	376.2	10	13	100	#LD-0375-0070-1	u.r.	
377.0	70	376.2	377.2	10	13	100	#LD-0375-0070-1	u.r.	
394.0	120	392	394.5	20	13	100	#LD-0395-0120-2	u.r.	
395.0	120	393	395.5	20	13	100	#LD-0395-0120-2	u.r.	
396.0	120	394	396.5	20	13	100	#LD-0395-0120-2	> 3	
397.0	120	395	397.5	20	13	100	#LD-0395-0120-2	> 3	
398.0	120	396	398.5	20	13	100	#LD-0395-0120-2	u.r.	
399.0	120	397	399.5	20	13	100	#LD-0395-0120-2	u.r.	
400.0	120	398	400.5	20	13	100	#LD-0405-0120-6	2	
400.0	300	397	399	20	13	100	#LD-0405-0250-1	u.r.	
401.0	120	399.5	401.5	20	13	100	#LD-0405-0120-5	> 3	
401.0	120	399	401.5	20	13	100	#LD-0405-0120-6	u.r.	

u.r. : upon request



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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
401.0	300	398	400	20	13	100	#LD-0399-0300-1	> 3	
402.0	60	400.5	402.5	20	13	100	#LD-0405-0060-3	> 3	
402.0	120	400	402.5	20	13	100	#LD-0405-0120-6	u.r.	
402.0	300	399	401	20	13	100	#LD-0405-0250-1	u.r.	
403.0	120	401	403.5	20	13	100	#LD-0405-0120-6	> 3	
403.0	300	400	402	20	13	100	#LD-0405-0250-1	> 3	
404.0	60	402.5	404.5	20	13	100	#LD-0405-0060-2	> 3	
404.0	120	402	404.5	20	13	100	#LD-0405-0120-6	> 3	
404.0	300	401	403	20	13	100	#LD-0405-0250-1	> 3	
405.0	120	403	405.5	20	13	100	#LD-0405-0120-6	> 3	
405.0	300	402	404	20	13	100	#LD-0405-0250-1	u.r.	
406.0	120	404	406.5	20	13	100	#LD-0405-0120-6	u.r.	
406.0	300	403	405	20	13	100	#LD-0405-0250-1	u.r.	
407.0	120	405	407.5	20	13	100	#LD-0405-0120-6	> 3	
407.0	300	404	406	20	13	100	#LD-0405-0250-1	u.r.	
408.0	120	406.5	408.5	20	13	100	#LD-0405-0120-5	3	
408.0	120	406	408.5	20	13	100	#LD-0405-0120-6	1	
408.0	300	405	407	20	13	100	#LD-0405-0250-1	u.r.	
409.0	60	407.5	409.5	20	13	100	#LD-0405-0060-3	> 3	
409.0	120	407	409.5	20	13	100	#LD-0405-0120-6	> 3	
410.0	120	408	410.5	20	13	100	#LD-0405-0120-6	u.r.	
410.0	120	408	410.5	20	13	100	#LD-0415-0120-2	u.r.	
411.0	120	409	411.5	20	13	100	#LD-0415-0120-2	u.r.	
412.0	120	410	412.5	20	13	100	#LD-0415-0120-2	u.r.	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
413.0	120	411	413.5	20	13	100	#LD-0415-0120-2	u.r.	
414.0	120	412	414.5	20	13	100	#LD-0415-0120-2	1	
415.0	120	413.5	416.5	20	13		#LD-0415-0120-1	u.r.	
415.0	120	413	415.5	20	13	100	#LD-0415-0120-2	u.r.	
416.0	120	414.5	417.5	20	13		#LD-0415-0120-1	u.r.	
416.0	120	414	416.5	20	13	100	#LD-0415-0120-2	u.r.	
417.0	120	415.5	418.5	20	13		#LD-0415-0120-1	u.r.	
417.0	120	415	417.5	20	13	100	#LD-0415-0120-2	u.r.	
418.0	120	416.5	419.5	20	13		#LD-0415-0120-1	1	
418.0	120	416	418.5	20	13	100	#LD-0415-0120-2	u.r.	
419.0	120	417.5	420.5	20	13		#LD-0415-0120-1	u.r.	
419.0	120	417	419.5	20	13	100	#LD-0415-0120-2	> 3	
420.0	30	418.5	420.5	20	10		#LD-0405-0030-4	2	
420.0	120	418	420.5	20	13	100	#LD-0415-0120-2	u.r.	
420.0	120	417.5	420.5	20	13	100	#LD-0425-0120-2	u.r.	
421.0	120	418.5	421.5	20	13	100	#LD-0425-0120-2	u.r.	
422.0	120	419.5	422.5	20	13	100	#LD-0425-0120-2	u.r.	
423.0	120	420.5	423.5	20	13	100	#LD-0425-0120-2	u.r.	
424.0	120	421.5	424.5	20	13	100	#LD-0425-0120-2	> 3	
425.0	120	422.5	425.5	20	13	100	#LD-0425-0120-2	> 3	
435.0	500	432	436	15	15	100	#LD-0445-0500-1	u.r.	
436.0	500	433	437	15	15	100	#LD-0445-0500-1	u.r.	
437.0	500	434	438	15	15	100	#LD-0445-0500-1	u.r.	
438.0	500	435	439	15	15	100	#LD-0445-0500-1	u.r.	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
439.0	500	436	440	15	15	100	#LD-0445-0500-1	u.r.	
440.0	500	437	441	15	15	100	#LD-0445-0500-1	u.r.	
441.0	100	438.5	441.5	15	15	100	#LD-0445-0100-2	1	
441.0	500	438	442	15	15	100	#LD-0445-0500-1	u.r.	
442.0	100	439.5	442.5	15	15	100	#LD-0445-0100-2	u.r.	
442.0	500	439	443	15	15	100	#LD-0445-0500-1	u.r.	
443.0	100	440.5	443.5	15	15	100	#LD-0445-0100-2	u.r.	
443.0	500	440	444	15	15	100	#LD-0445-0500-1	u.r.	
444.0	100	441.5	444.5	15	15	100	#LD-0445-0100-2	> 3	
444.0	500	441	445	15	15	100	#LD-0445-0500-1	2	
445.0	100	442.5	445.5	15	15	100	#LD-0445-0100-2	u.r.	
445.0	500	442	446	15	15	100	#LD-0445-0500-1	1	
446.0	100	443.5	446.5	15	15	100	#LD-0445-0100-2	> 3	
446.0	500	443	447	15	15	100	#LD-0445-0500-1	> 3	
447.0	100	444.5	447.5	15	15	100	#LD-0445-0100-2	> 3	
447.0	500	444	448	15	15	100	#LD-0445-0500-1	2	
448.0	100	445.5	448.5	15	15	100	#LD-0445-0100-2	u.r.	
448.0	500	445	449	15	15	100	#LD-0445-0500-1	u.r.	
449.0	500	446	450	15	15	100	#LD-0445-0500-1	u.r.	
450.0	100	447.5	450.5	15	15	100	#LD-0445-0100-2	u.r.	
450.0	500	447	451	15	15	100	#LD-0445-0500-1	u.r.	
455.0	500	451.5	455.5	12	15	100	#LD-0460-0500-1	u.r.	
456.0	100	452.5	456.5	15	15	100	#LD-0460-0100-1	u.r.	
456.0	500	452.5	456.5	12	15	100	#LD-0460-0500-1	u.r.	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
457.0	100	453.5	457.5	15	15	100	#LD-0460-0100-1	u.r.	
457.0	500	453.5	457.5	12	15	100	#LD-0460-0500-1	> 3	
458.0	100	454.5	458.5	15	15	100	#LD-0460-0100-1	u.r.	
458.0	500	454.5	458.5	12	15	100	#LD-0460-0500-1	> 3	
459.0	100	455.5	459.5	15	15	100	#LD-0460-0100-1	u.r.	
459.0	500	455.5	459.5	12	15	100	#LD-0460-0500-1	1	
460.0	100			15	15	100	#LD-0460-0100-1	u.r.	not selected
460.0	500	456.5	460.5	12	15	100	#LD-0460-0500-1	u.r.	
460.0	500	456.5	460.5	12	15	100	#LD-0461-0500-1	> 3	
461.0	500	457.5	461.5	12	15	100	#LD-0460-0500-1	u.r.	
461.0	500	457.5	461.5	12	15	100	#LD-0461-0500-1	> 3	
462.0	500	458.5	462.5	12	15	100	#LD-0460-0500-1	u.r.	
463.0	500	459.5	463.5	12	15	100	#LD-0460-0500-1	u.r.	
464.0	500	460.5	464.5	12	15	100	#LD-0460-0500-1	u.r.	
465.0	500	461.5	465.5	12	15	100	#LD-0460-0500-1	u.r.	
469.0	100	467	470	15	15	100	#LD-0473-0080-2	u.r.	
471.0	100	469	472	15	15	100	#LD-0473-0080-2	u.r.	
472.0	100	470	473	15	15	100	#LD-0473-0080-2	u.r.	
473.0	100	471	474	15	15	100	#LD-0473-0080-2	1	
474.0	100	472	475	15	15	100	#LD-0473-0080-2	1	
475.0	100	473	476	15	15	100	#LD-0473-0080-2	1	
476.0	100	474	477	15	15	100	#LD-0473-0080-2	u.r.	
484.0	60	480	486	20	30	60	#LD-0488-0060-2	u.r.	
484.0	200	479.5	485.5	20	40	60	#LD-0488-0150-1	> 3	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
485.0	60	481	487	20	30	60	#LD-0488-0060-2	u.r.	
485.0	200	480.5	486.5	20	40	60	#LD-0488-0150-1	u.r.	
486.0	60	482	488	20	30	60	#LD-0488-0060-2	2	
486.0	200	481.5	487.5	20	40	60	#LD-0488-0150-1	> 3	
487.0	60	483	489	20	30	60	#LD-0488-0060-2	> 3	
487.0	200	482.5	488.5	20	40	60	#LD-0488-0150-1	> 3	
488.0	60	484	490	20	30	60	#LD-0488-0060-2	> 3	
488.0	200	483.5	489.5	20	40	60	#LD-0488-0150-1	u.r.	
489.0	60	485	491	20	30	60	#LD-0488-0060-2	> 3	
489.0	200	484.5	490.5	20	40	60	#LD-0488-0150-1	u.r.	
490.0	60	486	492	20	30	60	#LD-0488-0060-2	2	
490.0	200	485.5	491.5	20	40	60	#LD-0488-0150-1	3	
491.0	60	487	493	20	30	60	#LD-0488-0060-2	3	
491.0	200	486.5	492.5	20	40	60	#LD-0488-0150-1	2	
492.0	60	488	494	20	30	60	#LD-0488-0060-2	u.r.	
492.0	200	487.5	493.5	20	40	60	#LD-0488-0150-1	u.r.	
504.0	80	502	505	15	10	100	#LD-0505-0080-1	u.r.	
505.0	80	503	506	15	10	100	#LD-0505-0080-1	u.r.	
506.0	80	504	507	15	10	100	#LD-0505-0080-1	u.r.	
507.0	80	505	508	15	10	100	#LD-0505-0080-1	u.r.	
510.0	80	505.5	510.5	15	10	100	#LD-0515-0080-2	u.r.	
511.0	80	506.5	511.5	15	10	100	#LD-0515-0080-2	u.r.	
512.0	80	507.5	512.5	15	10	100	#LD-0515-0080-2	u.r.	
513.0	80	508.5	513.5	15	10	100	#LD-0515-0080-2	2	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
514.0	80	509.5	514.5	15	10	100	#LD-0515-0080-2	3	
515.0	80	510.5	515.5	15	10	100	#LD-0515-0080-2	u.r.	
516.0	80	511.5	516.5	15	10	100	#LD-0515-0080-2	u.r.	
517.0	80	512.5	517.5	15	10	100	#LD-0515-0080-2	u.r.	
518.0	80	513.5	518.5	15	10	100	#LD-0515-0080-2	> 3	
519.0	80	514.5	519.5	15	10	100	#LD-0515-0080-2	u.r.	
631.0	100	628	634	15	50	200	#LD-0633-0100-1	3	
632.0	100	629	635	15	50	200	#LD-0633-0100-1	u.r.	
633.0	100	630	636	15	50	200	#LD-0633-0100-1	3	
634.0	100	631	637	15	50	200	#LD-0633-0100-1	3	
635.0	100	632	638	15	50	200	#LD-0633-0100-1	> 3	
635.0	150	630	636	20	25	350	#LD-0640-0170-1	1	
636.0	15	634	638	8	7		#LD-0635-0015-2	> 3	
636.0	120	631	637	20	25		#LD-0640-0120-1	1	
636.0	150	631	637	20	25	350	#LD-0640-0170-1	> 3	
637.0	15	635	639	8	7		#LD-0635-0015-2	> 3	
637.0	120	632	638	20	25		#LD-0640-0120-1	> 3	
637.0	150	632	638	20	25	350	#LD-0640-0170-1	u.r.	
638.0	15	636	640	8	7		#LD-0635-0015-2	1	
638.0	120	633	639	20	25		#LD-0640-0120-1	> 3	
638.0	150	633	639	20	25	350	#LD-0640-0170-1	u.r.	
639.0	120	634	640	20	25		#LD-0640-0120-1	u.r.	
639.0	150	634	640	20	25	350	#LD-0640-0170-1	> 3	
640.0	150	635	641	20	25	350	#LD-0640-0170-1	1	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
640.0	180			20	25		#LD-0640-0200-3	u.r.	Up to 200mW possible not selected
641.0	150	636	642	20	25	350	#LD-0640-0170-1	u.r.	
644.0	80	641	645	12	45		#LD-0640-0080-2	1	
647.0	150	643	648	15	80	100	#LD-0650-0080-1	> 3	> 70mW below 646nm
648.0	150	644	649	15	80	100	#LD-0650-0080-1	> 3	> 70mW below 646nm
657.0	50	653	659	20	20		#LD-0655-0050-1	> 3	
658.0	50	654	660	20	20		#LD-0655-0050-1	1	
659.0	50	655	661	20	20		#LD-0655-0050-1	3	
661.0	50	657	663	20	20		#LD-0655-0050-2	> 3	
662.0	50	658	664	20	20		#LD-0655-0050-2	> 3	
670.0	15						#LD-0670-0015-3	> 3	not selected
785.0	120	781	789	20	120		#LD-0780-0200-1	> 3	
786.0	120	782	790	20	120		#LD-0780-0200-1	> 3	
787.0	120	783	791	20	120		#LD-0780-0200-1	3	
804.0	200	797	810	25	150		#LD-0810-0200-1	1	
804.0	300	796	808	15	160		#LD-0800-0300-2	1	TM polarized, weak PER
805.0	200	798	811	25	150		#LD-0810-0200-1	> 3	
806.0	200	799	812	25	150		#LD-0810-0200-1	> 3	
807.0	200	800	813	25	150		#LD-0810-0200-1	1	
849.0	200	834	850	10	120	200	#LD-0850-0200-2	3	
850.0	200	835	851	10	120	200	#LD-0850-0200-2	> 3	
851.0	200	836	852	10	120	200	#LD-0850-0200-2	3	
963.0	400	956	971	20	300		#LD-0975-0400-1	2	
964.0	400	957	972	20	300		#LD-0975-0400-1	1	

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WL nm	P mW	WLmin nm	WLmax nm	MHFTR GHz	Pd mW	Linewidth $\Delta\nu$ in kHz	Article Number	Stock	Remark
976.0	400	969	984	20	300		#LD-0975-0400-1	1	
977.0	400	970	985	20	300		#LD-0975-0400-1	> 3	
990.0	400	980	996	15	200		#LD-0990-0400-2	> 3	
1072.0	300	1060	1080	18	180		#LD-1080-0300-1	1	