



## He-Ne-Lasers (VIS)

Model	Wavelength	Power	Mode	Polarisation	Beam dia.	Divergence	Price
HN-0.5-543	0.543 $\mu\text{m}$	>0.5 mW	TEM <sub>00</sub>	1:1	0.6 mm	1.1 mrad	by request
HN-0.5-543P	0.543 $\mu\text{m}$	>0.5 mW	TEM <sub>00</sub>	500:1	0.7 mm	1.0 mrad	by request
HN-0.5-543M	0.543 $\mu\text{m}$	>0.5 mW	TEM <sub>mn</sub>	1:1	1.6 mm	4.0 mrad	by request
HN-1-543	0.543 $\mu\text{m}$	>1.0 mW	TEM <sub>00</sub>	1:1	0.7 mm	1.0 mrad	by request
HN-1-543P	0.543 $\mu\text{m}$	>1.0 mW	TEM <sub>00</sub>	500:1	0.8 mm	0.8 mrad	by request
HN-2-543	0.543 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	1:1	0.8 mm	0.8 mrad	by request
HN-2-543M	0.543 $\mu\text{m}$	>2.0 mW	TEM <sub>mn</sub>	1:1	2.6 mm	4.7 mrad	by request
HN-2-594P	0.594 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	500:1	0.7 mm	1.0 mrad	by request
HN-2-612P	0.612 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	500:1	0.7 mm	1.0 mrad	by request
HN-2-612	0.612 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	1:1	0.7 mm	1.0 mrad	by request
HN-0.5	0.6328 $\mu\text{m}$	>0.5 mW	TEM <sub>00</sub>	1:1	0.5 mm	2.0 mrad	670 €
HN-1	0.6328 $\mu\text{m}$	>1.0 mW	TEM <sub>00</sub>	1:1	0.5 mm	2.0 mrad	683 €
HN-2	0.6328 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	1:1	0.6 mm	1.5 mrad	720 €
HN-2P	0.6328 $\mu\text{m}$	>2.0 mW	TEM <sub>00</sub>	100:1	0.6 mm	1.5 mrad	720 €
HN-3	0.6328 $\mu\text{m}$	>3.0 mW	TEM <sub>00</sub>	1:1	0.6 mm	1.5 mrad	736 €
HN-3P	0.6328 $\mu\text{m}$	>3.0 mW	TEM <sub>00</sub>	100:1	0.6 mm	1.5 mrad	736 €
HN-5	0.6328 $\mu\text{m}$	>5.0 mW	TEM <sub>00</sub>	1:1	0.8 mm	1.2 mrad	810 €
HN-5P	0.6328 $\mu\text{m}$	>5.0 mW	TEM <sub>00</sub>	100:1	0.8 mm	1.2 mrad	890 €
HN-5M	0.6328 $\mu\text{m}$	>5.0 mW	TEM <sub>mn</sub>	1:1	2.0 mm	3.8 mrad	790 €
HN-10M	0.6328 $\mu\text{m}$	>8.0 mW	TEM <sub>mn</sub>	1:1	2.0 mm	4.3 mrad	1.090 €
LHN-223	0.6328 $\mu\text{m}$	>10.0 mW	TEM <sub>00</sub>	1:1	1.0 mm	1.3 mrad	2.396 €
LHN-223-1	0.6328 $\mu\text{m}$	>10.0 mW	TEM <sub>00</sub>	100:1	1.0 mm	1.3 mrad	2.478 €
HN-15	0.6328 $\mu\text{m}$	>15.0 mW	TEM <sub>00</sub>	1:1	1.5 mm	1.2 mrad	2.606 €
HN-15-1	0.6328 $\mu\text{m}$	>15.0 mW	TEM <sub>00</sub>	100:1	1.5 mm	1.2 mrad	2.692 €
LHN-115	0.6328 $\mu\text{m}$	>15.0 mW	TEM <sub>mn</sub>	1:1	2.5 mm	3.0 mrad	2.746 €
HN-25	0.6328 $\mu\text{m}$	>25.0 mW	TEM <sub>00</sub>	1:1	1.5 mm	1.2 mrad	3.626 €
HN-25-1	0.6328 $\mu\text{m}$	>25.0 mW	TEM <sub>00</sub>	100:1	1.5 mm	1.2 mrad	3.550 €
LHN-118	0.6328 $\mu\text{m}$	>25.0 mW	TEM <sub>mn</sub>	1:1	2.5 mm	3.0 mrad	2.761 €
HN-40	0.6328 $\mu\text{m}$	>40.0 mW	TEM <sub>mn</sub>	1:1	3.0 mm	2.5 mrad	4.220 €
HN-50	0.6328 $\mu\text{m}$	>50.0 mW	TEM <sub>mn</sub>	1:1	7.0 mm	3.0 mrad	4.964 €
HN-60	0.6328 $\mu\text{m}$	>60.0 mW	TEM <sub>mn</sub>	1:1	7.0 mm	3.0 mrad	by request
HN-70	0.6328 $\mu\text{m}$	>70.0 mW	TEM <sub>mn</sub>	1:1	7.0 mm	3.0 mrad	by request
LHN-220	0.6328 $\mu\text{m}$	>70.0 mW	TEM <sub>00</sub>	500:1	2.5 mm	1.0 mrad	11.981 €
HN-80	0.6328 $\mu\text{m}$	>80.0 mW	TEM <sub>mn</sub>	1:1	7.0 mm	3.0 mrad	7.650 €
LHN-220M	0.6328 $\mu\text{m}$	>100.0 mW	TEM <sub>mn</sub>	500:1	2.5 mm	1.5 mrad	11.297 €

Power supply included



## He-Ne-Lasers (Stabilized)

Model	Wavelength	Power	Mode	Polarisation	Frequency difference	Beam dia. Divergence	Power instability/ Frequency stability	Price
LHN-212-1	0.6328 $\mu\text{m}$	<b>&gt;0.2 mW</b>	TEM <sub>00</sub> <b>dual – frequency</b>	two linear orthogonal components ( <b>s</b> and <b>p</b> ) with frequency difference	1.5-2.2 MHz between <b>s</b> and <b>p</b> components (possible modifications: 2.0-2.4MHz, 2.4-3.0MHz, 3.4-4.0MHz)	5-7 mm 0.5 mrad	2% over 8hours / 1x10 <sup>-8</sup>	11.594 €
LHN-303	0.6328 $\mu\text{m}$	<b>&gt;1.0 mW</b>	TEM <sub>00</sub> <b>single – frequency</b>	100:1	-	0.8 mm 2.5 mrad	2% (over 8hours)/ 1x10 <sup>-8</sup>	6.671 €
LHN-220SF	0.6328 $\mu\text{m}$	<b>&gt;40 mW</b>	TEM <sub>00</sub> <b>single – frequency</b>	100:1	-	3.0 mm 2.5 mrad	2% (over 8hours)/ 1x10 <sup>-8</sup>	16.342 €

These lasers are produced usually with customized design. Specifications and costs can be discussed. Power supply included.



## He-Ne-Lasers (IR)

Model	Wavelength	Power	Mode	Polarisation	Beam dia.	Divergence	Price
HNIK-1-1	1.15 $\mu\text{m}$	<b>&gt;3.0 mW</b>	TEM <sub>mn</sub>	1:1/100:1	1.5 mm	2.5 mrad	4.517 €
HNIK-1-152	1.52 $\mu\text{m}$	<b>&gt;1.0 mW</b>	TEM <sub>mn</sub>	500:1	1.4 mm	1.4 mrad	by request
HNIK-3-2A	3.3912 $\mu\text{m}$	<b>&gt;4.0 mW</b>	TEM <sub>mn</sub>	100:1	3.0 mm	3.0 mrad	4.316 €
HNIK-3-3A	3.3912 $\mu\text{m}$	<b>&gt;7.0 mW</b>	TEM <sub>mn</sub>	100:1	3.5 mm	3.5 mrad	4.763 €
HNIK-3-4A	3.3912 $\mu\text{m}$	<b>&gt;10.0 mW</b>	TEM <sub>mn</sub>	100:1	4.5 mm	4.5 mrad	4.867 €
HNIK-3-1	3.3922 $\mu\text{m}$	<b>&gt;3.0 mW</b>	TEM <sub>mn</sub>	1:1 / 100:1	2.5 mm	3.0 mrad	4.220 €
HNIK-3-2	3.3922 $\mu\text{m}$	<b>&gt;9.0 mW</b>	TEM <sub>mn</sub>	1:1 / 100:1	3.0 mm	3.0 mrad	4.400 €
HNIK-3-3	3.3922 $\mu\text{m}$	<b>&gt;14.0 mW</b>	TEM <sub>mn</sub>	1:1 / 100:1	3.5 mm	3.5 mrad	4.614 €
HNIK-3-4	3.3922 $\mu\text{m}$	<b>&gt;23.0 mW</b>	TEM <sub>mn</sub>	1:1 / 100:1	4.5 mm	4.5 mrad	4.867 €
HNIK-3-K	3.5 $\mu\text{m}$	<b>&gt;10.0 mW</b>	TEM <sub>mn</sub>	100:1	2.5 mm	3.0 mrad	6.452 €
HNIK-5	5.4 $\mu\text{m}$	<b>&gt;1.0 mW</b>	TEM <sub>mn</sub>	100:1	1.5 mm	5.0 mrad	4.420 €
Tunable LHN-118-2V	0.63 $\mu\text{m}$ 1.15 $\mu\text{m}$	<b>&gt;15.0 mW</b> <b>&gt;10.0 mW</b>	TEM <sub>mn</sub>	100:1	3.0 mm 3.5 mm	3.5 mrad 4.0 mrad	3.847 €
Tunable LHN-118-3V	0.63 $\mu\text{m}$ 1.15 $\mu\text{m}$ 3.39 $\mu\text{m}$	<b>&gt;10.0 mW</b> <b>&gt;5.0 mW</b> <b>&gt;5.0 mW</b>	TEM <sub>mn</sub>	100:1	3.0 mm 3.5 mm 4.0 mm	3.5 mrad 4.0 mrad 4.0 mrad	4.100 €

Power supply included