



**KIMMON Koha Co., Ltd.**

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### **Model IK5451R-E HeCd LASER SPECIFICATIONS**

ITEM	SPECIFICATION	NOTES
LASER HEAD MODEL	IK5451R-E	
WAVELENGTH	325.0 nm / 441.6 nm	
SPECIFIED POWER	10mW / 50mW	
TRANSVERSE MODE	TEM <sub>00</sub>	
MODE SPACING (C/2L)	165 MHz	
SPECTRAL BANDWIDTH	3 GHz	
COHERENCE LENGTH	10 cm	
POLARIZATION	Linear, Vertical	
POLARIZATION RATIO	> 500:1	
NOISE (peak-to-peak)	10%	30kHz - 2MHz
NOISE (r.m.s.)	3 / 2%	30kHz - 10MHz
BEAM DIAMETER (1/e <sup>2</sup> )	1.0 / 1.1 mm	①
BEAM DIVERGENCE	0.5 mrad	
BEAM POINTING STABILITY (25°C constant temperature)	±25 μrad	
	±12.5 μrad	②
WARM UP TIME (90% power)	20 minutes	
POWER STABILITY (25°C constant temperature)	±2%/4hr.	
POWER STABILITY (10°~40°C)	20%	
ENVIRONMENTAL CONDITION (operation)	TEMP. 10°~40°C HUMI. 90%RH	③
ENVIRONMENTAL CONDITION (storage)	TEMP. -10°~50°C HUMI. 90%RH	③
VIBRATION (operation)	0.25 G	
VIBRATION (storage)	2 G	
SHOCK (with Kimmon packaging)	20G	
DIMENSIONS	1020 x 146 x 197 mm	
WEIGHT	17 kg	

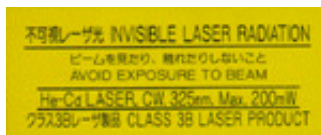
Measured @ 100 mm from output coupler.

② With remote cooling fan.

③ Non-condensing.

④ Vertical Direction.

Specifications subject to change without notice.



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