

Excellent Integrated System Limited

Stocking Distributor

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[Industrial Fiber Optics, Inc.](#)
[IF-RL08-635](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Specifications

Specifications for laser model numbers **IF-RL05-635¹**, **IF-RL08-635¹**, **IF-RL30-635¹**, and **IF-RL30-670¹** are shown in **Table 2**.

Table 2. Laser Specifications.

Parameter	Value	Units
Operating		
Input voltage	10 to 15	volts
Input current	60 to 125	milliamperes
Temperature	0 to 40	° C
Optical		
Polarization	Linear	
Wavelength	630 - 675 ¹	nm ¹
Output power	See label ²	mW
Beam diameter	3.2	mm
Beam divergence, max	2	milliradians
Electrical		
Analog modulation ³	10 to 500	kHz
Digital modulation ³	0 to 500	kHz
Storage		
Dimensions	5.6 ¥ 7.5 ¥ 22	cm
Weight	400	grams
Temperature	-20 to 50	° C

1 The lasing wavelength, in nanometers, is the last three numbers in the part number located on the underside of the laser chassis.

2 Label is located on the bottom side of the laser.

3 Refer to the section on electrical controls in this manual for more information.

Models and Laser Classifications

Table 3. CDRH Classifications for laser models.

Laser Model	Classification	Typical power levels
IF-RL05-635	CLASS II	.4 to .6 mW
IF-RL08-635	CLASS II	.75 to .90 mW
IF-RL30-635	CLASS IIIa	2.8 to 3.2 mW
IF-RL30-670	CLASS IIIa	2.8 to 3.2 mW