

Industrial Laser Spot Modules

- Surge, static and reverse polarity protection
- Hard coat anodization keeping the case at neutral potential
- Scratch resistant sapphire window
- Industrial connectors

Specifications

Voltage Required: 5.0 VDC (regulated)
Aiming: 1/4 degree (1/2 angle)
Line Width (Line Gen.): 1 mm (nominal)
Emissions Indicator: Red LED
Case: @ Neutral Potential
Internal Electronics: Static, Surge and Reverse Polarity Protected
Operating Temperature: -10°C to 50°C
Storage Temperature: -40°C to 80°C
Warranty: Limited 2 year



Ealing Catalog, Inc. offers a standard assortment of laser diode modules manufactured by Diode Laser Concepts, Inc. The Industrial Spot, Standard Spot and Mini Spot modules were developed

for OEM applications; however, they are suitable for all types of laboratory and prototype work. Additional configurations are available; call us to discuss your application or requirements.

Elliptical Beams 0.75 Inch Diameter with Industrial Screw-on Connectors

Catalog Number	Beam Size @ Exit Aperature	Wavelength	1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0060	6.1 x 1.2 mm	635 nm	.47 x .12	60/90	4.2	IIIa	2.10/53.34	\$264.00
30-0070	6.1 x 1.2 mm	635 nm	.47 x .12	55/85	0.97	II	2.10/53.34	\$264.00
30-0080	6.1 x 1.2 mm	635 nm	.47 x .12	70/100	8.2	IIIb	2.10/53.34	\$334.00
30-0090	6.1 x 1.2 mm	635 nm	.47 x .12	80/110	12.2	IIIb	2.10/53.34	\$486.00
30-0110	6.1 x 1.2 mm	650 nm	.47 x .12	35/70	0.97	II	2.10/53.34	\$209.00
30-0120	6.1 x 1.2 mm	650 nm	.47 x .12	40/70	4.2	IIIa	2.10/53.34	\$209.00
30-0130	6.1 x 1.2 mm	650 nm	.47 x .12	80/130	27.5	IIIb	2.10/53.34	\$275.00

Round Beams 0.75 Inch Diameter with 2.5 mm DC Power Jack Connector

Catalog Number	Beam Size @ Exit Aperature	Wavelength	1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0030	3.0 mm	635 nm	.25	60/90	0.97	II	2.70 in./68.58	\$269.00
30-0040	3.0 mm	635 nm	.25	80/110	3.1	IIIa	2.70 in./68.58	\$465.00
30-0050	3.0 mm	635 nm	.25	80/130	6.1	IIIb	2.70 in./68.58	\$285.00

DC Power Supply for Industrial Round Beam Laser Modules

Catalog Number	Description	Price US
30-0100	Wall Mount DC Supply, 5 VDC Reg., 200ma	\$35.00

Industrial Line Generators 0.75 Inch Diameter with Industrial Screw-on Connectors

Catalog Number	Line Length with Full Fan Angle of:	Wavelength	Line Thickness 1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0010	90 Degrees	635 nm	.39	60/90	4.2	II	2.50/63.50	\$266.00
30-0020	60 Degrees	635 nm	.39	60/90	4.2	II	2.50/63.50	\$266.00

Optics

Lenses & Microscope Components

Coatings

Mirrors, Beamsplitters & Windows

Prisms & Polarizers

Filters

Pinholes

Opto-mechanics

Tables, Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro-positioners

Motorized Positioners

Lasers & Accessories

Beam Delivery

Laser Measurement

Diode Laser Modules

Standard Laser Spot Modules



- Surge, static and reverse polarity protection
- Hard coat anodization keeping the case at neutral potential
- All units aimed to within .25° of the mechanical axis

Specifications

Voltage Required: 5.0 VDC (regulated)

Aiming: 1/4 degree (1/2 angle)

Line Width (Line Gen.): 1 mm (nominal)

Emissions Indicator: Green LED

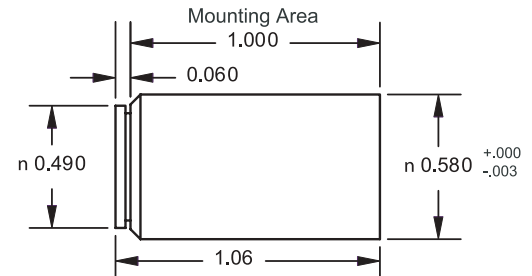
Case: @ Neutral Potential

Internal Electronics: Static, Surge and Reverse Polarity Protected

Wire Leads: 7 in. long: (=) red, (-) black

Storage Temperature: -40°C to 80°C

Warranty: Limited 2 year



Elliptical Beams 0.58 Inch Diameter

Catalog	Wavelength Number	1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0230	635 nm	.47/1.12	60/90	4.2	IIIa	2.10/53.34	\$209.00
30-0240	635 nm	.47/1.12	55/85	0.97	II	2.10/53.34	\$209.00
30-0250	635 nm	.47/1.12	70/100	8.2	IIIb	2.10/53.34	\$279.00
30-0260	635 nm	.47/1.12	80/110	12.2	IIIb	2.10/53.34	\$432.00
30-0270	635 nm	.47/1.12	100/150	27.5	IIIb	2.10/53.34	\$532.00
30-0280	650 nm	.47/1.12	35/70	0.97	II	2.10/53.34	\$154.00
30-0290	650 nm	.47/1.12	40/70	4.2	IIIa	2.10/53.34	\$154.00

Round Beams 0.58 Inch Diameter, Focusable Units

Catalog Number	Beam Size @ Exit Aperture	Wavelength	1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0200	3.0 mm	635 nm	.25	60/90	0.97	II	1.66/42.2	\$214.00
30-0210	3.0 mm	635 nm	.25	80/110	3.1	IIIa	1.66/42.2	\$436.00
30-0220	3.0 mm	650 nm	.25	40/70	0.97	II	1.66/42.2	\$159.00

Standard Line Generators 0.58 Inch Diameter

Catalog Number	Beam Size @ Exit Aperture	Wavelength	Line Thickness 1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0140	90 Degrees	635 nm	.39	60/90	4.2	II	1.46/37.1	\$199.00
30-0150	90 Degrees	635 nm	.39	80/110	12.2	II	1.46/37.1	\$406.00
30-0160	90 Degrees	650 nm	.39	40/70	4.2	IIIa	1.46/37.1	\$156.00
30-0170	60 Degrees	635 nm	.39	60/90	4.2	II	1.46/37.1	\$199.00
30-0180	60 Degrees	635 nm	.39	80/110	12.2	II	1.46/37.1	\$409.00
30-0190	60 Degrees	650 nm	.39	40/70	4.2	IIIa	1.46/37.1	\$156.00

Cross Hair Generator Laser Modules

Specifications

Voltage Required: 5.0 VDC (regulated)
Line Width (nominal):
Standard Unit: 1 mm (to 4' distance)
Long Range Unit: 1 mm (to 15' distance)
Emissions Indicator: Red LED
Case: @ Neutral Potential
Internal Electronics: Static, Surge and Reverse Polarity Protected
Wire Leads: 7 in. long: (=) red, (-) black
Operating Temperature: -10°C to 50°C
Storage Temperature: -40°C to 80°C
Warranty: Limited 2 year



Optics

Lenses & Microscope Components

Coatings

Mirrors, Beamsplitters & Windows

Prisms & Polarizers

Filters

Pinholes

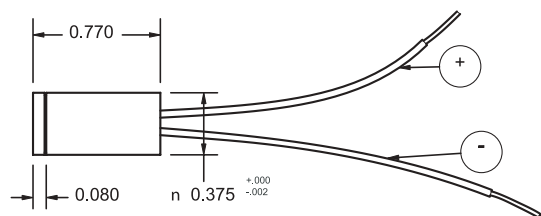
Standard and Long Range Cross Hair Generator Modules

Catalog Number	Line Length with Full Fan Angle of:	Wavelength	Line Thickness 1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0360	90 Degrees	635 nm	.39	100/180	8.4	II	1.01/25.65	\$398.00
30-0370	90 Degrees	650 nm	.39	80/140	8.4	IIIa	1.01/25.65	\$298.00
30-0380	60 Degrees	635 nm	.39	100/180	4.2	II	1.01/25.65	398.00
30-0390	60 Degrees	650 nm	.39	80/140	8.4	II	1.01/25.65	\$298.00
30-0400	45 Degrees	635 nm	.39	100/180	8.4	II	1.01/25.65	\$439.00

Mini Spot Laser Modules

Specifications

Voltage Required: 5.0 VDC (regulated)
Line Width (Line Gen.): 1 mm (nominal)
Emissions Indicator: Red LED
Case: @ Neutral Potential
Internal Electronics: Static, Surge and Reverse Polarity Protected
Operating Temperature: -10°C to 50°C
Storage Temperature: -40°C to 80°C
Warranty: Limited 2 year



Opto-mechanics

Tables, Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro-positioners

Motorized Positioners

Mini Spot 0.375 Inches Diameter

Catalog Number	Beam Size @ Exit Aperture	Wavelength	1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0300	5.2 x 1.2	635 nm	.67/.17	40/70	0.97	II	.790/20.0	\$138.00
30-0310	5.2 x 1.2	635 nm	.67/.17	45/75	4.2	IIIa	.790/20.0	\$138.00
30-0320	5.2 x 1.2	650 nm	.67/.17	35/65	0.97	II	.790/20.0	\$133.00
30-0330	5.2 x 1.2	650 nm	.67/.17	35/65	4.2	IIIa	.790/20.0	\$133.00

Lasers & Accessories

Beam Delivery

Laser Measurement

Diode Laser Modules

Mini Line Generator 0.375 Inches Diameter

Catalog Number	Line Length with Full Fan Angle of:	Wavelength	Line Thickness 1/2 Angle Beam Divergence (mrad)	Operating Current (mA) Typical/Maximum	Output Power (mW)	CDRH Class	Module Length (in/mm)	Price US
30-0340	90 Degrees	635 nm	.39	45/75	4.2	II	1.03/26.2	\$178.00
30-0350	60 Degrees	650 nm	.39	45/75	4.2	II	1.03/26.2	\$178.00