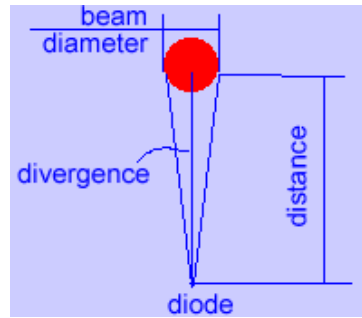


D Series Red Dot-shape Diode Laser

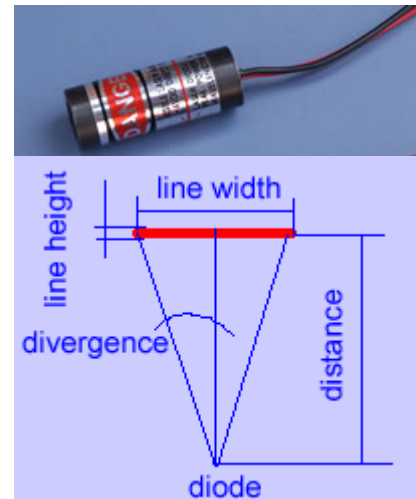


Wavelength	635nm, 650nm, 670nm
Laser power	0~75mw
Beam diameter	≤1mm
Divergence	0.2-1.5mard (focus or beam divergence is adjustable since the focal length is movable)
Optical lens	Glass lenses G2 & G3, plastic lens G1
MTTF	>30,000 hours
Dimension	Ø10x35mm, Ø12x40mm, Ø16x60mm or Ø26x80mm
Operation voltage	3V, 4.5V, 5V or 6V
Temperature	-10-50 °C
Store temperature	-40-85 °C

Model	Dimension	Wavelength	Divergence	Laser power
ST-SD650-5G1	φ10×35mm	650nm	0.5mard	≤4.0mw
ST-SD650-5G2	φ12×45mm	650nm	0.4mard	≤3.0mw
ST-SD650-5G3	φ26×80mm	650nm	0.3mard	≤3.5mw
ST-SD650-10G1	φ10×35mm	650nm	0.5mard	≤8.5mw
ST-SD650-10G2	φ12×45mm	650nm	0.4mard	≤6.0mw
ST-SD650-10G3	φ26×80mm	650nm	0.3mard	≤7.5mw
ST-SD650-20G2	φ10×35mm	650nm	0.4mard	≤12mw
ST-SD650-20G	φ12×45mm	650nm	0.2mard	≤16mw
ST-SD650-30G2	φ16×60mm	650nm	0.4mard	≤18mw
ST-SD650-30G3	φ26×80mm	650nm	0.2mard	≤24mw
ST-SD650-50G2	φ12×45mm	650nm	0.4mard	≤30mw
ST-SD650-50G3	φ26×80mm	650nm	0.3mard	≤35mw
ST-SD650-100G3	φ26×60mm	650nm	0.2mard	≤75mw
ST-SD635-5G1	φ10×35mm	635nm	0.5mard	≤4.0mw
ST-SD635-5G2	φ12×45mm	635nm	0.4mard	≤3.0mw
ST-SD635-5G3	φ26×80mm	635nm	0.2mard	≤4.0mw
ST-SD635-10G1	φ10×35mm	635nm	0.5mard	≤8.5mw
ST-SD635-10G2	φ12×45mm	635nm	0.4mard	≤6.0mw
ST-SD635-10G3	φ26×80mm	635nm	0.2mard	≤8.0mw
ST-SD635-20G2	φ16×60mm	635nm	0.4mard	≤12mw
ST-SD635-20G3	φ26×80mm	635nm	0.3mard	≤15mw
ST-SD635-30G2	φ12×45mm	635nm	0.4mard	≤18mw
ST-SD635-30G3	φ26×80mm	635nm	0.2mard	≤24mw
ST-SD780-5G1	φ10×35mm	780nm	0.5mard	≤4.0mw
ST-SD780-5G2	φ12×45mm	780nm	0.4mard	≤3.0mw
ST-SD780-5G3	φ26×80mm	780nm	0.3mard	≤3.5mw
ST-SD780-20G2	φ10×35mm	780nm	0.4mard	≤12mw
ST-SD780-20G3	φ12×45mm	780nm	0.2mard	≤16mw
ST-SD780-30G2	φ16×60mm	780nm	0.4mard	≤18mw
ST-SD780-30G3	φ26×80mm	780nm	0.2mard	≤24mw
ST-SD780-100G3	φ26×60mm	780nm	0.3mard	≤75mw

L Series Linear-shape Diode Lasers

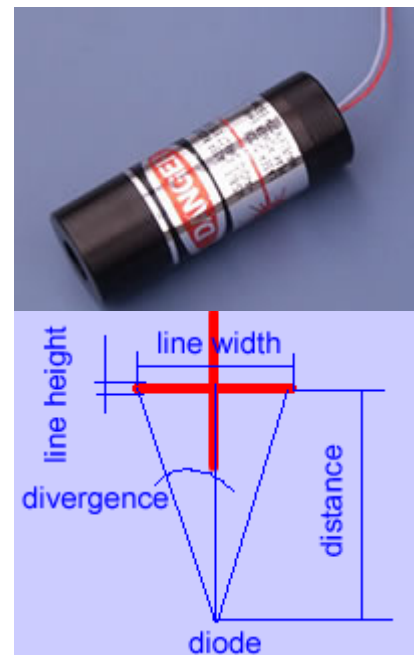
Wavelength	635nm, 650nm, 670nm
Linearity	< 1/8000
Beam line height	≤Ø1.0mm at 3m away
Divergence	10° - 120°
Optical lens	Glass lens G3, plastic lens G1
MTTF	>30,000 hours
Dimension	Ø12x40mm, Ø16x60mm, Ø22x85mm or Ø26x80mm
Operation voltage	3V, 4.5V, 5V or 6V
Operation temperature	-10-50 °C
Store temperature	-40-85 °C



Model	Dimension	Wavelength	Line height at 3m away	Laser power
ST-SL650-5G1(A)	Ø12×40mm	650nm	2.5mm	≤4.0mw
ST-SL650-5G3(A)	Ø16×40mm	650nm	1.0mm	≤3.0mw
ST-SL650-5G3(B)	Ø22×85mm	650nm	1.0mm	≤3.0mw
ST-SL650-5G3(C)	Ø26×110mm	650nm	1.5mm	≤3.0mw
ST-SL650-10G1(A)	Ø12×40mm	650nm	2.5mm	≤8.5mw
ST-SL650-10G1(B)	Ø12×40mm	650nm	2.0mm	≤8.5mw
ST-SL650-10G3(A)	Ø16×40mm	650nm	1.0mm	≤8.0mw
ST-SL650-10G3(B)	Ø22×85mm	650nm	1.0mm	≤8.0mw
ST-SL650-10G3(C)	Ø26×110mm	650nm	1.5mm	≤8.0mw
ST-SL650-20G3(A)	Ø16×40mm	650nm	1.0mm	≤10mw
ST-SL650-20G3(B)	Ø22×85mm	650nm	1.0mm	≤12mw
ST-SL650-20G3(C)	Ø26×110mm	650nm	1.5mm	≤12mw
ST-SL650-20G3(D)	Ø12×40mm	650nm	1.5mm	≤10mw
ST-SL650-30G3(A)	Ø16×40mm	650nm	1.0mm	≤15mw
ST-SL650-30G3(B)	Ø22×85mm	650nm	1.0mm	≤18mw
ST-SL650-30G3(C)	Ø26×110mm	650nm	1.5mm	≤18mw
ST-SL650-30G3(D)	Ø12×40mm	650nm	1.5mm	≤15mw
ST-SL650-50G3(A)	Ø16×40mm	650nm	1.0mm	≤30mw
ST-SL650-50G3(B)	Ø22×85mm	650nm	1.0mm	≤32mw
ST-SL650-50G3(C)	Ø26×110mm	650nm	1.5mm	≤32mw
ST-SL650-50G3(D)	Ø12×40mm	650nm	1.5mm	≤30mw
ST-SL635-5G1(A)	Ø12×40mm	635nm	2.5mm	≤4.0mw
ST-SL635-5G1(B)	Ø12×40mm	635nm	2.0mm	≤4.5mw
ST-SL635-5G3(A)	Ø16×40mm	635nm	1.0mm	≤3.0mw
ST-SL635-5G3(B)	Ø22×85mm	635nm	1.0mm	≤3.0mw
ST-SL635-5G3(C)	Ø26×110mm	635nm	1.5mm	≤3.0mw
ST-SL635-10G1(A)	Ø12×40mm	635nm	2.5mm	≤8.5mw
ST-SL635-10G1(B)	Ø12×40mm	635nm	2.0mm	≤8.5mw
ST-SL635-10G3(A)	Ø16×40mm	635nm	1.0mm	≤8.0mw
ST-SL635-10G3(B)	Ø22×85mm	635nm	1.0mm	≤8.0mw
ST-SL635-10G3(C)	Ø26×110mm	635nm	1.5mm	≤8.0mw
ST-SL780-5G1	Ø12×40mm	780nm	2.5mm	≤4.0mw
ST-SL780-5G3	Ø16×60mm	780nm	1.5mm	≤3.0mw
ST-SL780-20G1	Ø12×40mm	780nm	1.5mm	≤10mw
ST-SL780-20G3	Ø16×60mm	780nm	1.5mm	≤12mw
ST-SL780-30G1	Ø12×40mm	780nm	1.5mm	≤20mw
ST-SL780-30G3	Ø16×40mm	780nm	1.5mm	≤24mw
ST-SL780-100G1	Ø12×40mm	780nm	1.5mm	≤65mw
ST-SL780-100G3	Ø16×40mm	780nm	1.5mm	≤75mw

S Series Cross-shape Diode Lasers

Wavelength	635nm, 650nm, 670nm
Linearity	< 1/5000
Perpendicularity	$\leq \pm 1.5'$
Beam divergence	90° - 100°, maximum 120°
Optical lens	Glass lens G3, plastic lens G1
MTTF	>30,000 hours
Voltage	3V, 4.5V, 5V, 6V
Operation temperature	-10°C —50°C
Store temperature	-40°C —85°C



Model	Dimension	Wavelength	Line height at 1m away	Laser power
ST-SS650-5G1	Φ 12×40mm	650nm	1.0mm	2.0mw
ST-SS650-5G3(A)	Φ 16×40mm	650nm	0.5mm	3.0mw
ST-SS650-5G3(B)	Φ 22×85mm	650nm	0.5mm	3.0mw
ST-SS650-10G1	Φ 12×40mm	650nm	1.0mm	4.0mw
ST-SS650-10G3(A)	Φ 16×40mm	650nm	0.5mm	6.0mw
ST-SS650-10G3(B)	Φ 22×85mm	650nm	0.5mm	6.0mw
ST-SS650-20G1	Φ 12×40mm	650nm	1.0mm	8.0mw
ST-SS650-20G3(A)	Φ 16×40mm	650nm	0.5mm	12mw
ST-SS650-20G3(B)	Φ 22×85mm	650nm	0.5mm	12mw
ST-SS650-30G3(A)	Φ 16×40mm	650nm	0.5mm	18mw
ST-SS650-30G3(B)	Φ 22×85mm	650nm	0.5mm	18mw
ST-SS650-50G3(A)	Φ 16×40mm	650nm	0.5mm	30mw
ST-SS650-50G3(B)	Φ 22×85mm	650nm	0.5mm	30mw
ST-SS635-5G1	Φ 12×40mm	635nm	1.0mm	2.0mw
ST-SS635-5G3(A)	Φ 16×40mm	635nm	0.5mm	3.0mw
ST-SS635-5G3(B)	Φ 22×85mm	635nm	0.5mm	3.0mw
ST-SS635-10G1	Φ 12×40mm	635nm	1.0mm	4.0mw
ST-SS635-10G3(A)	Φ 16×40mm	635nm	0.5mm	6.0mw
ST-SS635-10G3(B)	Φ 22×85mm	635nm	0.5mm	6.0mw

D Series IR Dot-shape Diode Laser

Wavelength	808nm 980nm
Laser power	10-1400mw
Divergence	0.2-0.5mard
Optical lens	Glass lens G3
MTTF	>30,000 hours
Power supply	Customised adapter
Operation temperature	-10 C —50 C
Store temperature	-40 C ---85 C



Model	Dimension	Wavelength	Divergence	Laser power	Package
ST-SD808-100G3(A)	Φ 12×45mm	808nm	0.4mard	60mw	TO09orTO05
ST-SD808-100G3(B)	Φ 26×80mm	808nm	0.4mard	60mw	TO09orTO05
ST-SD808-100G3(C)	Φ 12×45mm	808nm	0.2mard	70mw	TO09orTO05
ST-SD808-100G3(D)	Φ 26×80mm	808nm	0.2mard	70mw	TO09orTO05
ST-SD808-100G3(E)	Φ 26×40mm	808nm	0.4mard	60mw	TO-03
ST-SD808-100G3(F)	Φ 26×40mm	808nm	0.2mard	70mw	TO-03
ST-SD808-200G3(A)	Φ 12×60mm	808nm	0.4mard	120mw	TO09orTO05
ST-SD808-200G3(B)	Φ 26×80mm	808nm	0.4mard	120mw	TO09orTO05
ST-SD808-200G3(C)	Φ 12×60mm	808nm	0.2mard	140mw	TO09orTO05
ST-SD808-200G3(D)	Φ 26×40mm	808nm	0.2mard	140mw	TO09orTO05
ST-SD808-300G3(A)	Φ 12×60mm	808nm	0.4mard	180mw	TO09orTO05
ST-SD808-300G3(B)	Φ 26×80mm	808nm	0.4mard	180mw	TO09orTO05
ST-SD808-300G3(C)	Φ 12×60mm	808nm	0.2mard	200mw	TO09orTO05
ST-SD808-300G3(D)	Φ 26×40mm	808nm	0.2mard	200mw	TO09orTO05
ST-SD808-1000G3(A)	Φ 12×60mm	808nm	0.4mard	650mw	TO-03
ST-SD808-1000G3(B)	Φ 26×80mm	808nm	0.4mard	650mw	TO-03
ST-SD808-1000G3(C)	Φ 12×60mm	808nm	0.2mard	700mw	TO-03
ST-SD808-1000G3(D)	Φ 26×40mm	808nm	0.2mard	700mw	TO-03
ST-SD980-60G3(A)	Φ 12×45mm	980nm	0.4mard	35mw	TO09orTO05
ST-SD980-60G3(B)	Φ 26×80mm	980nm	0.4mard	35mw	TO09orTO05
ST-SD980-60G3(C)	Φ 12×45mm	980nm	0.2mard	40mw	TO09orTO05
ST-SD980-60G3(D)	Φ 26×80mm	980nm	0.2mard	40mw	TO09orTO05
ST-SD980-60G3(E)	Φ 26×40mm	980nm	0.4mard	35mw	TO09orTO05
ST-SD980-60G3(F)	Φ 26×40mm	980nm	0.2mard	40mw	TO09orTO05
ST-SD980-100G3(A)	Φ 12×45mm	980nm	0.4mard	60mw	TO09orTO05
ST-SD980-100G3(B)	Φ 26×80mm	980nm	0.4mard	60mw	TO09orTO05
ST-SD980-100G3(C)	Φ 12×45mm	980nm	0.2mard	70mw	TO09orTO05
ST-SD980-100G3(D)	Φ 26×80mm	980nm	0.2mard	70mw	TO09orTO05
ST-SD980-100G3(E)	Φ 26×40mm	980nm	0.4mard	60mw	TO09orTO05
ST-SD980-100G3(F)	Φ 26×40mm	980nm	0.2mard	70mw	TO09orTO05
ST-SD980-1000G3(A)	Φ 12×60mm	980nm	0.4mard	650mw	TO-03
ST-SD980-1000G3(B)	Φ 26×80mm	980nm	0.4mard	650mw	TO-03
ST-SD980-1000G3(C)	Φ 12×60mm	980nm	0.2mard	700mw	TO-03
ST-SD980-1000G3(D)	Φ 26×40mm	980nm	0.2mard	700mw	TO-03
ST-SD980-2000G3(A)	Φ 12×60mm	980nm	0.4mard	1300mw	TO-03
ST-SD980-2000G3(B)	Φ 26×80mm	980nm	0.4mard	1300mw	TO-03
ST-SD980-2000G3(C)	Φ 12×60mm	980nm	0.2mard	1400mw	TO-03
ST-SD980-2000G3(D)	Φ 26×40mm	980nm	0.2mard	1400mw	TO-03