




## 785 nm Series Multi Mode Laser Diodes

Axcel's 785nm multimode laser diode is available in a fiber-coupled package, a chip-on-submount, or in a 9mm TO-can. An option for the butterfly module called the Lambda-Lok™ is a Bulk Bragg grating placed between the facet and the fiber which results in an output with an extremely narrow spectral linewidth, which is ideal for applications such as Raman spectroscopy, laser therapy, laser pumping, medical, and defense.

Wavelength (nm)	Tolerance (nm)	Power (W)	Emitter Size (microns)	Bulk Bragg Grating	Package	Datasheet	Picture	Part Number
785 nm	5	20.0	1000	No	CS-mount	data		CS-780-020W-95S
785 nm	5	1.0	100	No	9mm TO-can	data		M9-785-1000-150
785 nm	5	1.0	100	No	C-mount			CM-785-1000-150
785 nm	5	1.0	100	No	B-mount			BM-785-1000-150
785 nm	5	1.0	100	No	QA-mount			QA-785-1000-150
785 nm	0.5	1.0	100	Yes	C-mount			CM-785-100-1L0
785 nm	5	1.5	100	No	C-mount	data		CM-785-1500-150










785 nm	5	1.5	100	No	B-mount			BM-785-1500-150
785 nm	5	1.5	100	No	QA-mount			QA-785-1500-150
785 nm	5	2.0	100	No	C-mount			CM-785-2000-150
785 nm	5	2.0	100	No	B-mount			BM-785-2000-150
785 nm	5	2.0	100	No	QA-mount			QA-785-2000-150
<b>Fiber Pigtailed Packages</b>								
785 nm	0.5	0.5	100	Yes	14-Pin Butterfly			B1-785-0500-1LA
785 nm	5	1.0	100	No	14-Pin Butterfly	data		B1-785-1000-15A
785 nm	5	1.5	100	No	14-Pin Butterfly			B1-785-1500-15A






## 808 nm Series Multi Mode Laser Diodes

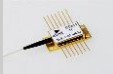
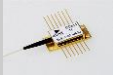
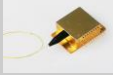

Axcel's 808 nm multimode laser diodes are available in a sealed package or as chip-on-submount with an emitter width of 50  $\mu\text{m}$ , 100  $\mu\text{m}$ , 200  $\mu\text{m}$ , 400  $\mu\text{m}$ , or high power 1000  $\mu\text{m}$ . They are suited to a number applications including solid-state laser pumping, laser display, laser marking, dental, and laser surgery.

Wavelength (nm)	Tolerance (nm)	Power (W)	Emitter Size ( $\mu\text{m}$ )	Package	Datasheet	Picture	Part Number
<b>400 Micron Emitting Region Devices</b>							
808 nm	3	8.0	400 $\mu\text{m}$	C-mount	data		CM-808-8000-430
808 nm	3	10.0	400 $\mu\text{m}$	C-mount			CM-808-010W-430
808 nm	3	15.0	400 $\mu\text{m}$	Thick C-mount			CL-808-015W-430
<b>200 Micron Emitting Region Devices</b>							
808 nm	3	3.0	200 $\mu\text{m}$	C-mount	data		CM-808-3000-230
808 nm	3	3.0	200 $\mu\text{m}$	B-mount			BM-808-3000-230
808 nm	3	4.0	200 $\mu\text{m}$	C-mount			CM-808-4000-230
808 nm	3	4.0	200 $\mu\text{m}$	B-mount			BM-808-4000-230

808 nm	3	5.0	200um	C-mount	data		CM-808-5000-230
808 nm	3	5.0	200um	B-mount			BM-808-5000-230
808 nm	3	6.0	200um	C-mount			CM-808-6000-230
808 nm	3	6.0	200um	B-mount			BM-808-6000-230
808 nm	3	8.0	200um	Thick C-mount			CL-808-8000-230
808 nm	3	10.0	200um	Thick C-mount			CL-808-010W-230
<b>100 Micron Emitting Region Devices</b>							
808 nm	3	1.0	100um	9mm TO-can	data		M9-808-1000-130
808 nm	3	1.0	100um	C-mount			CM-808-1000-130
808 nm	3	1.0	100um	B-mount			BM-808-1000-130
808 nm	3	1.0	100um	QA-mount			QA-808-1000-130

808 nm	3	2.0	100um	9mm TO-can	data		M9-808-2000-130
808 nm	3	2.0	100um	QA-mount			QA-808-2000-130
808 nm	3	2.0	100um	C-mount			CM-808-2000-130
808 nm	3	2.0	100um	B-mount			BM-808-2000-130
808 nm	3	3.0	100um	C-mount			CM-808-3000-130
808 nm	3	3.0	100um	B-mount			BM-808-3000-130
<b>50 Micron Emitting Region Devices</b>							
808 nm	3	0.2	50um	5.6mm TO-can	data		M5-808-0200-030
808 nm	3	0.2	50um	9mm TO-can			M9-808-0200-030
808 nm	3	0.5	50um	5.6mm TO-can			M5-808-0500-030
808 nm	3	0.5	50um	9mm TO-can			M9-808-0500-030

808 nm	3	1.0	50um	9mm TO-can			M9-808-1000-030
808 nm	3	1.0	50um	9mm TO-can			M9-808-1000-03X
808 nm	3	1.0	50um	C-mount			CM-808-1000-030
808 nm	3	1.0	50um	B-mount			BM-808-1000-030
808 nm	3	1.0	50um	QA-mount			QA-808-1000-030
808 nm	3	1.5	50um	C-mount			CM-808-1500-030
808 nm	3	1.5	50um	B-mount			BM-808-1500-030
808 nm	3	1.5	50um	QA-mount			QA-808-1500-030
<b>1000 Micron Emitting Region Devices</b>							
808 nm	5	25.0	1000um	CS-mount	data		CS-808-025W-950
808 nm	5	30.0	1000um	CS-mount			CS-808-030W-950








Fiber Pigtailed Packages							
808 nm	5	1.5	100um	14-Pin Butterfly	data		B1-808-1500-150
808 nm	5	3.0	100um	14-Pin Butterfly			B2-808-3000-150
808 nm	3	6.0	100um	HHL 9-Pin Fiber	data		HF-808-6000-130
808 nm	5	4.5	200um	HHL 9-Pin Fibe	data		HF-808-4500-250
808 nm	5	7.5	200um	HHL 9-Pin Fibe			HF-808-7500-250
808 nm	5	9.0	400um	HHL 9-Pin Fibe	data		HF-808-9000-450
808 nm	5	10.0	200um	HHL 9-Pin Fibe			HF-808-010W-250
808 nm	5	10.0	400um	HHL 9-Pin Fibe			HF-808-010W-450
HHL Window Output Package							
808 nm	5	3.0	100um	HHL 9-Pin Window	data		HW-808-3000-150







808 nm	5	5.0	200um	HHL 9-Pin Window	data		HW-808-5000-250
808 nm	5	8.0	400um	HHL 9-Pin Window			HW-808-8000-450
808 nm	5	10.0	400um	HHL 9-Pin Window			HW-808-010W-450
808 nm	5	15.0	400um	HHL 9-Pin Window			HW-808-015W-450



## 830 nm Multi Mode Laser Diodes



Axcel's 830 nm multimode laser diode is available as chip-on-submounts with an emitter width of 50 µm or 100 µm. Applications for our 830 nm laser diodes include medical laser therapy and graphics.

Wavelength (nm)	Tolerance (nm)	Power (W)	Package	Datasheet	Picture	Part Number
<b>100 Micron Emitting Region Devices</b>						
830 nm	5	1.0	9mm TO-can	data		M9-830-1000-150
830 nm	5	1.0	C-mount			CM-830-1000-150
830 nm	5	1.0	B-mount			BM-830-1000-150
830 nm	5	1.0	QA-mount			QA-830-1000-150
830 nm	5	2.0	9mm TO-can			M9-830-2000-150
830 nm	5	2.0	C-mount			CM-830-2000-150
830 nm	5	2.0	B-mount			BM-830-2000-150

830 nm	5	2.0	QA-mount			QA-830-2000-150
<b>50 Micron Emitting Region Devices</b>						
830 nm	3	1.0	C-mount	data		CM-830-1000-030
830 nm	3	1.0	B-mount			BM-830-1000-030
830 nm	3	1.0	QA-mount			QA-830-1000-030
830 nm	3	1.5	C-mount			CM-830-1500-030
830 nm	3	1.5	B-mount			BM-830-1500-030
830 nm	3	1.5	QA-mount			QA-830-1500-030

## 852 nm Multi Mode Laser Diodes

Axcel's 852 nm multimode laser diode is available as chip-on-submounts with an emitter width of 100  $\mu\text{m}$ . Our 852 nm laser diodes are excellent for applications in thermal imaging, laser ranging, spectral analysis, and medical fields.

Wavelength (nm)	Tolerance (nm)	Power (W)	Package	Datasheet	Picture	Part Number
<b>100 Micron Emitting Region Devices</b>						
852 nm	5	1.0	C-mount	data		CM-852-1000-150
852 nm	5	1.0	B-mount			BM-852-1000-150
852 nm	5	1.0	QA-mount			QA-852-1000-150
852 nm	5	2.0	C-mount			CM-852-2000-150
852 nm	5	2.0	B-mount			BM-852-2000-150
852 nm	5	2.0	QA-mount			QA-852-2000-150

## 915 nm Series Multi Mode Laser Diodes

Axcel's 915 nm multimode laser diode is available in a fiber-coupled package, as a chip-on-submount, or in a 9mm TO-can. Our 915 nm laser diode is suitable for applications in defense, graphics, material processing, fiber lasers, laser range finding, and medical laser therapy.

Wavelength (nm)	Tolerance (nm)	Power (W)	Fiber Diameter (um)	Package	Datasheet	Picture	Part Number
<b>200 Micron Emitting Region Devices</b>							
915 nm	5	5.0	200um	C-mount			CM-915-5000-250
915 nm	5	5.0	200um	B-mount			BM-915-5000-250
<b>100 Micron Emitting Region Devices</b>							
915 nm	5	1.0	100um	9mm TO-can			M9-915-1000-150
915 nm	5	1.0	100um	C-mount	data		CM-915-1000-150
915 nm	5	1.0	100um	B-mount			BM-915-1000-150
915 nm	5	1.0	100um	QA-mount			QA-915-1000-150

915 nm	5	2.0	100um	C-mount			CM-915-2000-150
915 nm	5	2.0	100um	B-mount			BM-915-2000-150
915 nm	5	2.0	100um	QA-mount			QA-915-2000-150
915 nm	5	3.0	100um	C-mount			CM-915-3000-150
915 nm	5	3.0	100um	B-mount			BM-915-3000-150
915 nm	5	6.0	100um	Thick C-mount			CL-915-6000-150
915 nm	5	6.0	100um	C4-mount	data		C4-915-6000-150
915 nm	5	8.0	100um	Thick C-mount			CL-915-8000-150
915 nm	5	8.0	100um	C4-mount			C4-915-8000-150
915 nm	5	10.0	100um	Thick C-mount		data	

915 nm	5	10.0	100um	C4-mount			C4-915-010W-150
915 nm	5	12.0	100um	Thick C-mount			CL-915-012W-150
<b>50 Micron Emitting Region Devices</b>							
905 nm	5	0.5	50um	5.6mm TO-can	data		M5-905-0500-050
905 nm	5	0.5	50um	9mm TO-can			M9-905-0500-050
<b>Fiber Pigtailed Packages</b>							
915 nm	5	1.5	100um	14-Pin Butterfly	data		B1-915-1500-15A
915 nm	5	2.0	100um	14-Pin Butterfly			B2-915-2000-15A

## 940 nm Series Multi Mode Laser Diodes

Axcel's 940 nm multimode laser diode is available as a chip-on-submount or in a 9 mm TO-can. Our 940 nm laser diodes are excellent options for applications in material processing, medical laser therapy, and laser range finding.

Wavelength (nm)	Tolerance (nm)	Power (W)	Package	Datasheet	Picture	Part Number
<b>200 Micron Emitting Region Devices</b>						
945 nm	5	4W	C-mount			CM-945-4000-250
945 nm	5	4W	B-mount			BM-945-4000-250
<b>100 Micron Emitting Region Devices</b>						
940 nm	5	1.5W	9mm TO-can			M9-940-1500-150
940 nm	5	1.5W	C-mount			CM-940-1500-150
940 nm	5	1.5W	B-mount	data		BM-940-1500-150
940 nm	5	1.5W	QA-mount			QM-940-1500-150
940 nm	5	3W	C-mount			CM-940-3000-150

940 nm

5

3W

B-mount







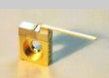


BM-940-3000-150







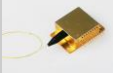
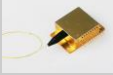


## 975 nm Series Multi Mode Laser Diodes

Axcel's 975 nm multimode laser diode is available in a sealed package or as chip-on-submount with an emitter width of 100  $\mu\text{m}$ , 200  $\mu\text{m}$ , or 400  $\mu\text{m}$ . Our 975 nm laser diodes are an excellent solution in a number applications including solid-state pumping, laser surgery, illumination, and fiber lasers.

Wavelength (nm)	Tolerance (nm)	Power (W)	Emitter size ( $\mu\text{m}$ )	Package	Datasheet	Picture	Part Number
<b>400 Micron Emitting Region Devices</b>							
975 nm	5	10.0	400 $\mu\text{m}$	C-mount	data		CM-975-010W-450
975 nm	5	15.0	400 $\mu\text{m}$	CL-mount	data		CL-975-015W-450
<b>200 Micron Emitting Region Devices</b>							
975 nm	5	3.0	200 $\mu\text{m}$	C-mount	data		CM-975-3000-250
975 nm	5	3.0	200 $\mu\text{m}$	B-mount			BM-975-3000-250
975 nm	5	4.0	200 $\mu\text{m}$	C-mount			CM-975-4000-250
975 nm	5	4.0	100 $\mu\text{m}$	B-mount			BM-975-4000-250
975 nm	5	5.0	200 $\mu\text{m}$	C-mount			CM-975-5000-250

975 nm	5	5.0	200um	B-mount			BM-975-5000-250
975 nm	5	6.0	200um	C-mount			CM-975-6000-250
<b>100 Micron Emitting Region Devices</b>							
975 nm	5	1.7	100um	C-mount	data		CM-975-1700-150
975 nm	5	2.0	100um	B-mount			BM-975-2000-150
975 nm	5	2.0	100um	QA-mount			QA-975-2000-150
975 nm	5	2.0	100um	C-mount			CM-975-2000-150
975 nm	5	3.0	100um	QA-mount			QA-975-3000-150
975 nm	5	3.0	100um	C-mount			CM-975-3000-150
975 nm	5	8.0	100um	CL-mount	data		CL-975-8000-150
<b>50 Micron Emitting Region Devices</b>							

975 nm	5	0.2	50um	5.6mm TO Can	data		M5-975-0200-050
975 nm	5	0.5	50um	9mm TO-can			M9-975-0500-050
975 nm	5	1.0	50um	B-mount			BM-975-1000-050
975 nm	5	1.5	50um	QA-mount			QA-975-1500-050
<b>High Power Single Chip Devices</b>							
975 nm	5	30.0	1000um	CS-mount	data		CS-975-030W-950
975 nm	5	35.0	600um	CS-mount	data		CS-975-35-650
<b>Fiber Pigtailed Packages</b>							
975 nm	5	3.0	100um	14-Pin Butterfly	data		B2-975 -3000-15A
975 nm	5	7.5	200um	HHL 9-Pin Fiber	data		HF-975-7500-25C
975 nm	5	10.0	200um	HHL 9-Pin Fiber			HF-975-010W-25C
<b>HHL Window Output Package</b>							

975 nm	5	3.0	100um	HHL 9-Pin Window	data		HW-975-3000-150
975 nm	5	5.0	200um	HHL 9-Pin Window			HW-975-5000-250
975 nm	5	8.0	400um	HHL 9-Pin Window			HW-975-8000-450
975 nm	5	10.0	400um	HHL 9-Pin Window			HW-975-010W-450

## 1064 nm Multi Mode Laser Diodes

Axcel's 1064 nm multimode laser diode is available as a chip-on-submount package. Our 1064 nm laser diodes are excellent solutions for applications including solid state pumping, fiber laser pumping, and material processing.

Wavelength (nm)	Tolerance (nm)	Power (W)	Emitter size (microns)	Bulk Bragg Grating	Package	Datasheet	Picture	Part Number
1064 nm	5	1.0	100	No	C-mount	data		CM-A64-1000-150
1064 nm	5	1.0	100	No	B-mount			BM-A64-1000-150
1064 nm	5	1.0	100	No	QA-mount			QA-A64-1000-150
1064 nm	5	2.0	100	No	C-mount			CM-A64-2000-150
1064 nm	5	2.0	100	No	B-mount			BM-A64-2000-150
1064 nm	5	2.0	100	No	QA-mount			QA-A64-2000-150
1064 nm	5	3.0	100	No	C-mount			CM-A64-3000-150
1064 nm	5	3.0	100	No	B-mount			BM-A64-3000-150