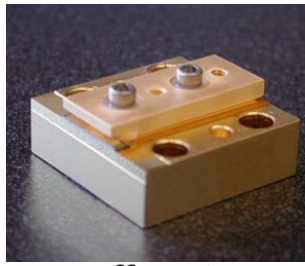


Laser Diode

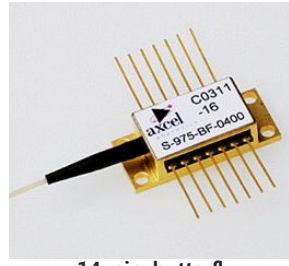
Multi-mode laser diode



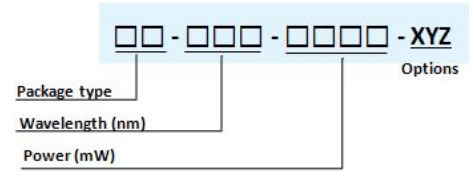
TO-can



CS mount



14 pin butterfly



Operating Power (P _o)	Part number	Parameter	Wavelength	Spectral width (FWHM)	Operating current	Operating voltage	Vertical far filed (FWHM)	Parallel far filed (FWHM)	Threshold current	Slope efficiency	
		unit	nm	nm	A	V	deg	deg	A	W/A	
200mW	M5-808-0200-030 M5-808-0200-03P	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	0.24	1.9	32	8	0.06	1.2	
		Max	811	4	0.29	2.2	38	11	0.09	-	
	M5-975-0200-050 M5-975-0200-05P	min	970	-	-	-	-	-	-	0.8	
		typ	975	3	0.27	1.7	30	8	0.06	1	
		max	980	5	0.4	2	35	10	0.08	-	
500mW	B1-785-0500-1LA	Min	784.5	-	-	-	-	-	-	0.5	
		Typ	785	0.2	0.1mA	1.2	-	-	0.4	0.64	
		Max	785.5	0.5	0.3mA	1.8	-	-	0.7	-	
	M5-808-0500-030 M5-808-0500-03P CM-808-0500-030 BM-808-0500-030 QA-808-0500-030 QA-808-0500-03R M9-808-0500-030 M9-808-0500-03P	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	0.54	1.9	32	8	0.08	1.2	
		Max	811	4	0.6	2.2	38	11	0.11	-	
	CM-905-0500-050 BM-905-0500-050 QA-905-0500-050 QA-905-0500-05R M5-905-0500-050 M5-905-0500-05P M9-905-0500-050 M9-905-0500-05P	Min	900	-	-	-	-	-	-	0.8	
		Typ	905	3	0.64	1.8	35	8	0.1	0.9	
		Max	910	5	0.7	2	40	10	0.12	-	
	M5-975-0500-050 M5-975-0500-05P M9-975-0500-050 M9-975-0500-05P	Min	970	-	-	-	-	-	-	0.8	
		Typ	975	3	0.68	1.7	30	8	0.09	1	
		Max	980	5	0.75	2	35	10	0.11	-	
	1W	CM-785-1000-150 BM-785-1000-150 QA-785-1000-150 M9-785-1000-150 M9-785-1000-15P	Min	780	-	-	-	-	-	-	1
			Typ	785	2	1.4	1.9	25	8	0.4	1.2
			Max	790	4	1.8	2.2	30	11	0.7	-
		B1-785-1000-150	Min	780	-	-	-	-	-	-	0.8
			Typ	785	2	1.5mA	2.1	-	-	0.4	0.9
			Max	790	4	1.8mA	2.5	-	-	0.7	-
CM-808-1000-130 BM-808-1000-130 QA-808-1000-130 M9-808-1000-130 M9-808-1000-13P		Min	805	-	-	-	-	-	-	1	
		Typ	808	2	1.1	1.9	30	8	0.3	1.2	
		Max	811	4	1.4	2.2	35	11	0.5	-	
CM-808-1000-030 BM-808-1000-030 QA-808-1000-030 QA-808-1000-03R M9-808-1000-030 M9-808-1000-03P		Min	805	-	-	-	-	-	-	1	
		Typ	808	2	1.1	1.9	32	8	0.18	1.2	
		Max	811	4	1.3	2.2	38	11	0.22	-	
CM-830-1000-150 BM-830-1000-150 QA-830-2000-150 M9-830-1000-150 M9-830-1000-15P		Min	825	-	-	-	-	-	-	1	
		Typ	830	2	1.3	1.9	32	8	0.3	1.1	
		Max	835	4	1.6	2.2	35	11	0.5	-	
CM-830-1000-030 BM-830-1000-030 QA-830-1000-030		Min	825	-	-	-	-	-	-	1	
		Typ	830	2	1	1.9	32	8	0.2	1.2	
		Max	835	4	1.3	2.2	38	11	0.35	-	
CM-852-1000-150 BM-852-1000-150 QA-852-1000-150		Min	847	-	-	-	-	-	-	1	
		Typ	852	2	1	1.9	30	8	0.4	1.2	
		Max	857	4	1.4	2.2	35	11	0.6	-	

Laser Diode

Multi-model laser diode

Operating Power (P ₀)	Part number	Parameter	Wavelength	Spectral width (FWHM)	Operating current	Operating voltage	Vertical far filed (FWHM)	Parallel far filed (FWHM)	Threshold current	Slope efficiency	
		unit	nm	nm	A	V	deg	deg	A	W/A	
1W	CM-915-1000-150 C4-915-1000-150 BM-915-1000-150 QA-915-1000-150 QA-915-1000-15R M9-915-1000-150 M9-915-1000-15P	Min	910	-	-	-	-	-	-	0.8	
		Typ	915	3	1.4	1.9	35	9	0.25	0.9	
		Max	920	5	1.8	2.2	40	12	0.55	-	
	M9-975-1000-050 CM-975-1000-050 BM-975-1000-050 QA-975-1000-050	Min	970	-	-	-	-	-	-	-	0.8
		Typ	975	3	1.1	1.7	30	8	0.12	1	
		Max	980	5	1.5	2	35	10	0.2	-	
	CM-A64-1000-150 BM-A64-1000-150 QA-A64-1000-150 M9-A64-1000-150 M9-A64-1000-15P	Min	1059	-	-	-	-	-	-	-	0.8
		Typ	1064	3	1.4	1.9	30	8	0.4	0.9	
		Max	1069	5	1.6	2.2	35	11	0.7	-	
	1.4W	B1-785-1400-150	Min	780	-	-	-	-	-	-	0.8
			Typ	785	2	2.2mA	2.2	-	-	0.5	0.9
			Max	790	4	2.6mA	2.7	-	-	0.8	-
1.5W	CM-785-1500-150 BM-785-1500-150 QA-785-1500-150	Min	780	-	-	-	-	-	-	1	
		Typ	785	2	1.8	1.9	25	8	0.4	1.2	
		Max	790	4	2.2	2.2	30	11	0.7	-	
	CM-808-1500-030 BM-808-1500-030 QA-808-1500-030 QA-808-1500-03R	Min	805	-	-	-	-	-	-	-	1
		Typ	808	2	1.6	1.9	32	8	0.24	1.2	
		Max	811	4	1.8	2.2	38	11	0.26	-	
	B1-808-1500-15A	Min	803	-	-	-	-	-	-	-	0.8
		Typ	808	2	2mA	2.1	-	-	0.4	0.95	
		Max	813	4	2.4mA	2.5	-	-	0.6	-	
	CM-830-1500-030 BM-830-1500-030 QA-830-1500-030	Min	825	-	-	-	-	-	-	-	1
		Typ	830	2	1.5	1.9	32	8	0.2	1.2	
		Max	835	4	1.8	2.2	38	11	0.35	-	
	B1-915-1500-15A	Min	910	-	-	-	-	-	-	-	0.6
		Typ	915	3	2.4mA	2.1	-	-	0.25	0.7	
		Max	920	5	2.8mA	2.5	-	-	0.55	-	
	CM-940-1500-150 BM-940-1500-150 QA-940-1500-150 M9-940-1500-150 M9-940-1500-15P	Min	935	-	-	-	-	-	-	-	0.8
		Typ	940	3	2.1	1.9	32	9	0.4	0.9	
		Max	945	5	2.5	2.2	35	12	0.6	-	
	CM-975-1500-050 BM-975-1500-050 QA-975-1500-050	Min	970	-	-	-	-	-	-	-	0.8
		Typ	975	3	1.6	1.7	30	8	0.12	1	
		Max	980	5	1.9	2	35	10	0.2	-	
	1.7W	CM-975-1700-150	Min	970	-	-	-	-	7	0.15	0.9
			Typ	975	2	2.3	1.5	30	8	0.17	0.95
			Max	980	4	2.5	2	35	10	0.2	1
2W	CM-785-2000-150 BM-785-2000-150 QA-785-2000-150	Min	780	-	-	-	-	-	-	1	
		Typ	785	2	2.1	1.9	25	8	0.4	1.2	
		Max	790	4	2.5	2.2	30	11	0.7	-	
	CM-808-2000-130 BM-808-2000-130 QA-808-2000-130 M9-808-2000-130 M9-808-2000-13P	Min	805	-	-	-	-	-	-	-	1
		Typ	808	2	2	1.9	30	8	0.4	1.2	
		Max	811	4	2.4	2.2	35	11	0.6	-	
	CM-830-2000-150 BM-830-2000-150 QA-830-2000-150 M9-830-2000-150 M9-830-2000-15P	Min	825	-	-	-	-	-	-	-	1
		Typ	830	2	2.1	1.9	32	8	0.3	1.1	
		Max	835	4	2.5	2.2	35	11	0.5	-	
	CM-852-2000-150 BM-852-2000-150 QA-852-2000-150	Min	847	-	-	-	-	-	-	-	1
		Typ	852	2	2	1.9	30	8	0.4	1.2	
		Max	857	4	2.4	2.2	35	11	0.6	-	
	CM-915-2000-150 C4-915-2000-150 BM-915-2000-150 QA-915-2000-150 QA-915-2000-15R	Min	910	-	-	-	-	-	-	-	0.8
		Typ	915	3	2.5	1.9	35	9	0.25	0.9	
		Max	920	5	2.9	2.2	40	12	0.55	-	
	B2-915-2000-15A	Min	910	-	-	-	-	-	-	-	0.6
		Typ	915	3	3.1mA	2.1	-	-	0.25	0.7	
		Max	920	5	3.6mA	2.5	-	-	0.55	-	
	CM-975-2000-150 BM-975-2000-150 QA-975-2000-150	Min	970	-	-	-	-	7	-	-	0.8
		Typ	975	2	2.5	1.5	30	8	0.25	0.9	
		Max	980	4	2.9	2	35	10	0.55	-	

Laser Diode

Multi-mode laser diode

Operating Power (P ₀)	Part number	Parameter	Wavelength	Spectral width (FWHM)	Operating current	Operating voltage	Vertical far filed (FWHM)	Parallel far filed (FWHM)	Threshold current	Slope efficiency
		unit	nm	nm	A	V	deg	deg	A	W/A
2W	CM-A64-2000-150	Min	1059	-	-	-	-	-	-	0.8
	BM-A64-2000-150	Typ	1064	3	2.4	1.9	30	8	0.4	0.9
	QA-A64-2000-150	Max	1069	5	2.8	2.2	35	11	0.7	-
3W	CM-808-3000-230	Min	805	-	-	-	-	-	-	1
	BM-808-3000-230	Typ	808	2	3.4	1.9	32	8	0.8	1.2
	QA-808-3000-230	Max	811	4	3.7	2.2	38	11	1.1	-
	CM-808-3000-130	Min	805	-	-	-	-	-	-	1
	BM-808-3000-130	Typ	808	2	2.8	1.9	30	8	0.4	1.2
	C4-808-3000-130	Max	811	4	3.2	2.2	35	11	0.6	-
	B2-808-3000-15A	Min	803	-	-	-	-	-	-	0.75
		Typ	808	2	4mA	2.1	-	-	0.5	0.85
		Max	813	4	4.5mA	2.5	-	-	0.7	-
	HW-808-3000-150	Min	805	-	-	-	-	-	-	1
		Typ	808	2	2.8mA	1.9	30	8	0.4	1.2
		Max	811	4	3.2mA	2.2	35	11	0.6	-
	CM-915-3000-150	Min	910	-	-	-	-	-	-	0.8
	C4-915-3000-150	Typ	915	3	3.6	1.9	35	9	0.25	0.9
	BM-915-3000-150	Max	920	5	4	2.2	40	12	0.55	-
	CM-940-3000-150	Min	935	-	-	-	-	-	-	0.8
	BM-940-3000-150	Typ	940	3	3.8	1.9	32	9	0.4	0.9
	QA-940-3000-150	Max	945	5	4.2	2.2	35	12	0.6	-
	C4-940-3000-150									
	CM-975-3000-250	Min	970	-	-	-	-	7	-	0.8
	BM-975-3000-250	Typ	975	3	3.8	1.5	30	8	0.5	0.9
	QA-975-3000-250	Max	980	5	4.6	2	35	11	0.8	-
	C4-975-3000-250									
	CM-975-3000-150	Min	970	-	-	-	-	7	-	0.8
	BM-975-3000-150	Typ	975	2	3.6	1.5	30	8	0.25	0.9
	QA-975-3000-150	Max	980	4	4	2	35	10	0.55	-
	B2-980-3000-15A	Min	975	-	-	-	-	-	-	0.65
		Typ	980	3	4.2	1.9	-	-	0.25	0.75
		Max	985	5	4.7	2.3	-	-	0.55	-
HW-975-3000-150	Min	970	-	-	-	-	7	-	0.8	
	Typ	975	3	3.6mA	1.7	30	8	0.25	0.9	
	Max	980	5	4mA	2	40	10	0.55	-	
CM-A64-3000-150	Min	1059	-	-	-	-	-	-	0.8	
BM-A64-3000-150	Typ	1064	3	3.3	1.9	30	8	0.4	0.9	
QA-A64-3000-150	Max	1069	5	3.5	2.2	35	11	0.7	-	
C4-A64-3000-150										
4W	CM-808-4000-230	Min	805	-	-	-	-	-	-	1
	BM-808-4000-230	Typ	808	2	4.3	1.9	32	8	0.8	1.2
		Max	811	4	4.6	2.2	38	11	1.1	-
	CM-975-4000-250	Min	970	-	-	-	-	7	-	0.8
	BM-975-4000-250	Typ	975	3	5	1.5	30	8	0.5	0.9
		Max	980	5	5.8	2	35	11	0.8	-
HW-975-4000-250	Min	970	-	-	-	-	7	-	0.8	
	Typ	975	3	5mA	1.5	30	8	0.5	0.9	
	Max	980	5	5.8mA	2	35	11	0.8	-	
4.5W	HF-808-4500-25C	Min	803	-	-	-	-	-	-	0.8
		Typ	808	2	5.8	2.2	-	-	0.8	0.95
		Max	813	4	7	2.5	-	-	1.1	-
	HF-975-4500-25C	Min	970	-	-	-	-	-	-	0.65
		Typ	975	3	6.9	1.8	-	-	0.5	0.7
		Max	980	5	7.7	2.5	-	-	0.8	-
5W	CM-808-5000-230	Min	805	-	-	-	-	-	-	1
		Typ	808	2	5.1	1.9	32	8	0.8	1.2
		Max	811	4	5.4	2.2	38	11	1.1	-
	HW-808-5000-250	Min	803	-	-	-	-	-	-	1
		Typ	808	2	5mA	2.2	30	8	0.8	1.2
		Max	813	4	6mA	2.5	35	11	1.1	-
CM-975-5000-250	Min	970	-	-	-	-	7	-	0.8	
BM-975-5000-250	Typ	975	3	6.1	1.5	30	8	0.5	0.9	
	Max	980	5	7.1	2	35	11	0.8	-	

Laser Diode

Multi-model laser diode

Operating Power (P ₀)	Part number	Parameter	Wavelength	Spectral width (FWHM)	Operating current	Operating voltage	Vertical far filed (FWHM)	Parallel far filed (FWHM)	Threshold current	Slope efficiency	
		unit	nm	nm	A	V	deg	deg	A	W/A	
5W	HW-975-5000-250	Min	970	-	-	1.5	-	7	-	0.8	
		Typ	975	3	6.1mA	2	30	8	0.5	0.9	
		Max	980	5	7.1mA	-	35	11	0.8	-	
6W	CM-808-6000-230	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	6	1.9	32	8	0.8	1.2	
		Max	811	4	6.3	2.2	38	11	1.1	-	
	HF-808-6000-13C	Min	805	-	-	-	-	-	-	-	0.85
		Typ	808	2	7.2	2.8	-	-	0.9	0.95	-
		Max	811	4	8	3.1	-	-	1.2	-	-
	CL-915-6000-150	Min	910	-	-	-	-	-	-	-	1
		Typ	915	2	6	1.8	35	8	0.4	1.05	-
		Max	920	4	6.2	2	40	10	0.5	-	-
CM-975-6000-250 BM-975-6000-250		Min	970	-	-	-	-	-	7	-	0.8
		Typ	975	3	7.2	1.5	30	8	0.5	0.9	-
		Max	980	5	8.3	2	35	11	0.8	-	-
HW-975-6000-250	Min	970	-	-	-	-	-	7	-	0.8	
	Typ	975	3	7.2mA	1.5	30	8	0.5	0.9	-	
	Max	980	5	8.3mA	2	35	11	0.8	-	-	
7.5W	HF-808-7500-25C	Min	803	-	-	-	-	-	-	0.7	
		Typ	808	2	11.1	2.2	-	-	1.8	0.8	
		Max	813	4	12.6	2.5	-	-	2.2	-	
	HF-975-7500-25C	Min	970	-	-	-	-	-	-	-	0.5
		Typ	975	3	14	1.8	-	-	1.5	0.6	-
		Max	980	5	15.2	2.5	-	-	1.8	-	-
8W	CM-808-8000-430	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	8.4	1.9	32	10	1.8	1.2	
		Max	811	4	9	2.2	38	12	2.2	-	
	CL-808-8000-230	Min	805	-	-	-	-	-	-	-	1
		Typ	808	2	7.9	2.5	-	-	0.8	1.2	-
		Max	811	4	8.5	2.8	-	-	1.1	-	-
	HF-808-8000-13C	min	805	-	-	-	-	-	-	-	0.85
		typ	808	2	10.8	3.2	-	-	1.9	0.95	-
		max	811	4	12	3.8	-	-	2.2	-	-
	HW-808-8000-450	Min	805	-	-	-	-	-	-	-	1
		typ	808	2	8.4mA	1.9	30	10	1.8	1.2	-
		max	811	4	9.0mA	2.2	35	12	2.2	-	-
	CL-915-8000-150	Min	910	-	-	-	-	-	-	-	1
		Typ	915	2	7.8	1.8	35	8	0.4	1.05	-
		Max	920	4	8	2	40	10	0.5	-	-
	CL-975-8000-150	Min	970	-	-	-	-	-	-	-	0.85
		Typ	975	2	9.2	1.7	35	8	0.8	0.95	-
		Max	980	4	10	1.9	40	10	0.9	-	-
	CM-975-8000-450	min	970	-	-	-	-	-	-	-	0.8
		typ	975	3	10	1.5	30	8	1.5	0.9	-
		max	980	5	11	2	35	11	1.8	-	-
HW-975-8000-450	Min	970	-	-	-	-	-	-	-	0.8	
	Typ	975	3	10mA	1.3	30	8	1	0.9	-	
	Max	980	5	11mA	2	35	11	1.4	-	-	
10W	CM-808-010W-430	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	10.6	1.9	32	10	1.8	1.2	
		Max	811	4	12	2.2	38	12	2.2	-	
	CL-808-010W-230	Min	805	-	-	-	-	-	-	-	1
		Typ	808	2	11	2	-	-	1.9	1.1	-
		Max	811	4	12	2.2	-	-	2.2	-	-
	HF-808-010W-25C	Min	803	-	-	-	-	-	-	-	0.85
		Typ	808	2	12	2.5	-	-	2.4	1	-
		Max	813	4	14	2.8	-	-	2.8	-	-
	HF-808-010W-45C	Min	803	-	-	-	-	-	-	-	0.85
		Typ	808	2	12	2.5	-	-	2.4	1	-
		Max	813	4	14	2.8	-	-	2.8	-	-
HW-808-010W-450	Min	805	-	-	-	-	-	-	-	1	
	Typ	808	2	10.6mA	1.9	30	10	1.8	1.2	-	
	Max	811	4	12mA	2.2	35	12	2.2	-	-	

Laser Diode

Multi-mode laser diode

Operating Power (P ₀)	Part number	Parameter	Wavelength	Spectral width (FWHM)	Operating current	Operating voltage	Vertical far filed (FWHM)	Parallel far filed (FWHM)	Threshold current	Slope efficiency	
		unit	nm	nm	A	V	deg	deg	A	W/A	
10W	CL-915-010W-150	Min	910	-	-	-	25	8	-	0.85	
		Typ	915	2.5	10	2	30	10	0.8	1	
		Max	920	5	11	2.5	35	12	0.9	1.15	
	CM-975-010W-450	min	970	-	-	-	-	-	-	-	0.8
		typ	975	3	12.6	1.5	30	8	1.5	0.9	-
		max	980	5	14	2	35	11	1.8	-	-
	HF-975-010W-25C	Min	970	-	-	-	-	-	-	-	0.63
		Typ	975	3	16	2.5	-	-	1	0.68	-
		Max	980	5	17	2.8	-	-	1.2	-	-
	HW-975-010W-450	Min	970	-	-	-	-	-	-	-	0.8
		Typ	975	3	12.6mA	1.6	30	8	1.5	0.9	-
		Max	980	5	14mA	2.2	35	11	1.8	-	-
12W	CL-915-012W-150	Min	910	-	-	-	25	8	-	0.85	
		Typ	915	2.5	11.6	2.1	30	10	0.8	1	
		Max	920	5	12	2.6	35	12	0.9	-	
15W	CL-808-015W-430	Min	805	-	-	-	-	-	-	1	
		Typ	808	2	15.5	2	32	10	3	1.1	
		Max	811	4	18	2.2	38	12	3.5	-	
	HW-808-015W-450	Min	805	-	-	-	-	-	-	-	1
		Typ	808	2	15.5	2.5	32	10	2.4	1.1	-
		Max	811	4	18	2.8	38	12	2.8	-	-
	CL-975-015W-430	Min	970	-	-	-	-	-	-	-	1
		Typ	975	2	15.5	2.5	32	10	2.4	1.1	-
		Max	980	4	18	2.8	38	12	2.8	-	-
20W	CS-780-020W-95S	Min	777	-	-	-	25	8	-	1	
		Typ	782	2	24	2	35	10	4.5	1.2	
		Max	787	4	27	2.5	40	12	5.5	-	
25W	CS-808-025W-950	Min	805	-	-	-	25	8	-	1	
		Typ	808	2	30	2	35	10	4.5	1.2	
		Max	811	4	33	2.5	40	12	5.5	-	
30W	CS-808-030W-950	Min	805	-	-	-	25	8	-	1	
		Typ	808	2	35	2	35	10	4.5	1.2	
		Max	811	4	38	2.5	40	12	5.5	-	
	CS-975-030W-950	Min	970	-	-	-	25	8	-	0.8	
		Typ	975	3	37.8	1.8	35	13	4.5	0.9	
		Max	980	5	43	2.2	40	14	5.5	-	
35W	CS-975-035W-650	Min	968	-	-	-	25	9	-	0.8	
		Typ	976	2.5	45	1.9	30	11	4	0.85	
		Max	984	5	50	2.2	35	13	4.5	0.95	

Package	X option (aperture size)	Y option (wavelength tolerance)	Z option (additional option)
M5 : 5.6mm TO-can	0 : 50um aperture	L : lambda-loc (±0.5nm)	0 : none
M9 : 9mm TO-can	1 : 100um aperture	3 : ±3nm	A : FC connector
BM : B-mount	2 : 200um aperture	5 : ±5nm	(FC/PC or FC/APC)
CM : C-mount	4 : 400um aperture		C : SMA connector
CS : CS mount	6 : 600um aperture		P : w/photodiode
QA : Q-mount	9 : 1000um aperture		R : w/thermistor
CL : Thick(4.3mm) C-mount			S : Low AR
C4 : chip on 4mm submount			
B1 : 14-pin butterfly (multi-mode)			
B2 : 14-pin butterfly (high profile)			
HF : HHL package (9pin, fiber, TEC, PD thermistor)			
HW : HHL package (9pin, window, TEC, PD thermistor)			