

☆New product  
★Under development



## ■ Laser Diodes

### ◆ Package Lineup

· Can

① ø9 mm Can

② ø5.6 mm Can

③ ø3.8 mm Can

④ ø3.3 mm Can



· Frame

⑤ t1.8 mm Frame



### ◆ Specifications

#### <High Output Laser Diodes>

(T<sub>c</sub> = 25°C)

Package	Model No.	Wavelength (band) λ <sub>p</sub> (nm)	Absolute maximum ratings <sup>*1</sup>		Characteristics								Emitter Quantity	Terminal connections	Applications
			I <sub>op</sub> (mA)	T <sub>op</sub> (°C)	P <sub>o</sub> (mW)	I <sub>th</sub> (mA)	I <sub>op</sub> (mA)	V <sub>op</sub> (V)	η <sub>d</sub> (mW/mA)	λ <sub>p</sub> (nm)	θ <sub>  </sub> <sup>*2</sup> (°)	θ <sub>⊥</sub> <sup>*2</sup> (°)			
① ø9 mm Can	★GH04C05B9G	440	3 500	0 to +60	5 000	350	3 000	4.7	1.9	(tbd)	(tbd)	(tbd)	1	9	Display, etc.
	☆GH04C03A9G	455	2 800	0 to +60	3 500	260	2 100	4.7	1.9	455	10 <sup>-3</sup>	41 <sup>-3</sup>	1	9	
	☆GH05C01A9G	520	1 400	0 to +60	600	220	1 100	5.2	0.65	520	13 <sup>-3</sup>	45 <sup>-3</sup>	1	(tbd)	
	★GH06C01A9G	638	(tbd)	-10 to +45	1 200	380	1 400	2.25	(tbd)	640	5 <sup>-3</sup>	36 <sup>-3</sup>	1	9	
	★GH06C02B9G		—	0 to +55	2 500	500	2 700	2.3	1.15	639	8 <sup>-3</sup>	70 <sup>-3</sup>	2	9	

\*1 The absolute maximum ratings are the limits that are not to be exceeded under any condition whatsoever, whether in testing or in actual use.

\*2 Full angle of 50% peak intensity.

\*3 Full angle of 1/e<sup>2</sup> peak intensity.

#### <Multi-chip laser diodes>

(T<sub>c</sub> = 25°C)

Package	Model No.	Wavelength (band) λ <sub>p</sub> (nm)	Light output P <sub>o</sub> (W)	Applications
Multi-chip package	★GH7AB95AM8	455	95	Projector, etc
	★GH7BB18AM8	520	18	
	★GH7CB43AM8	640	43	

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## <Laser Diodes>

(Tc = 25°C)

Package	Model No.	Wavelength (band) $\lambda_p$ (nm)	Absolute maximum ratings*1		Characteristics								Built-in monitor PD	Terminal connections	Applications
			Po (mW)	Top (°C)	Po (mW)	Ith (mA)	Iop (mA)	Vop (V)	$\eta_d$ (mW/mA)	$\lambda_p$ (nm)	$\theta_{//}^{*2}$ (°)	$\theta_{\perp}^{*2}$ (°)			
② $\phi$ 5.6mm Can	GH0401FA2G	405	155	-10 to +75	150	40	130	5	1.7	405	9	19	—	8	Sensor, etc.
	GH0401FA2K		—	—	—	—	—	—	—	—	—	—	—	4	
	GH04W10A2GC		350	0 to +50	300	140	325	4.5	1.8	406	14 <sup>*3</sup>	41 <sup>*3</sup>	—	9	
	★GH0406AA2G		(tbd)	0 to +30	600	120	430	4.4	2	405	14 <sup>*3</sup>	38 <sup>*3</sup>	—	9	
	GH04580A2G	450	85	-10 to +70	80	22	84	5.1	1.3	450	10	24	—	8	
	GH04C01A2G		1 650	-10 to +50	1 600	200	1 200	5	1.5		6.5	23	—	9	
	GH04850B2G	487	55	-10 to +60	50	40	105	6	0.8	487	8	23	—	8	
	GH05030D2L	505	35	-10 to +60	30	30	75	6	0.65	505	8	23	—	12	
	GH05130G2K	515	35	-10 to +60	30	30	85	6.5	0.55	515	7.5	22	○	4	
	☆GH05230H2K	520	35	-10 to +60	30	25	70	6.5	0.65	520	7	22	○	4	
	GH05280E2K		85		80	65	180		0.7			23			
	☆GH0521DE2G		135		130	70	270		6.7			0.65	8	22	
	GH06315A1K	635	16	-10 to +50	15	18	45	2.4	0.6	635	8	38	○	4	Display, etc.
	GH06330A2G	638	30	-10 to +60	30	30	50	2.3	1.4	638	7	16	—	8	
	GH06311A2GC		185		180	70	215	2.55	1.15		8	13		9	
	★GH0632BA2GC		210		200	55	230	2.65			639	8		15	
	GH0637AA2G		700		-10 to +40	700	110	810	2.46		1	638		16	
	★GH0652CA2GC	650	220	-10 to +70	200	55	220	2.6	1.2	650	8	12.5	—	9	
	★GH06610A2KC	660	12	-40 to +90	10	15	24	2.2	1.1	660	12	33	○	4	
	GH06P25A1C		100	-10 to +70	95	40	122	2.4		661	10	16	—	3	
GH06P25A2CC	660			15.5	—	3									
GH0832BA1K	830	210	-10 to +70	200	35	215	2.1	1.1	830	9	18	○	4		
☆GH0832FA2G		260		250	45	255	2.2	1.15		8	15	—	8		
☆GH0852WA2G	850	700	-10 to +70	700	275	975	1.8	1	850	17	45	—	8	Sensor, etc.	
☆GH0942FA2G	940	260	-10 to +70	250	(tbd)	(tbd)	(tbd)	(tbd)	940	(tbd)	(tbd)	—	8		
☆GH0942WA2G		700		700	315	800	1.8	1		10	35	8			
③ $\phi$ 3.8mm Can	GH04590A5G	450	95	-10 to +50	90	28	100	5.2	1.3	450	9	24	—	8	Display, etc.
	GH05290A5G	520	95	-10 to +50	90	60	185	6.75	0.7	520	8	23	—	8	
	GH0521DE5G		135		130	70	270	6.7	0.65			22			
	GH0631CA5GC	638	120	-10 to +60	120	50	150	2.5	1.2	638	8	15	—	8	
	GH0631IA5G		185		150	60	190		1.15		7.5				
④ $\phi$ 3.3mm Can	GH06510F4A	660	10	-10 to +70	7	17	26	2.2	0.85	660	13	28	○	1	Sensor, etc.
	GH07P28F4C	785	150	-10 to +70	100	35	135	2.4	1	784	8	16	—	3	
⑤ t1.8mm Frame	GH1631AA8C	638	100	-10 to +60	100	50	130	2.45	1.2	638	8	15	—	6	Display, etc.
	GH16P32B8C	660	100	-10 to +70	90	42	120	2.3	1.16	661	9.3	15	—	6	

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\*2 Full angle of 50% peak intensity.

\*3 Full angle of 1/e<sup>2</sup> peak intensity.

Note: Please inquire about combinations of packages and characteristics other than the above.

### Notice

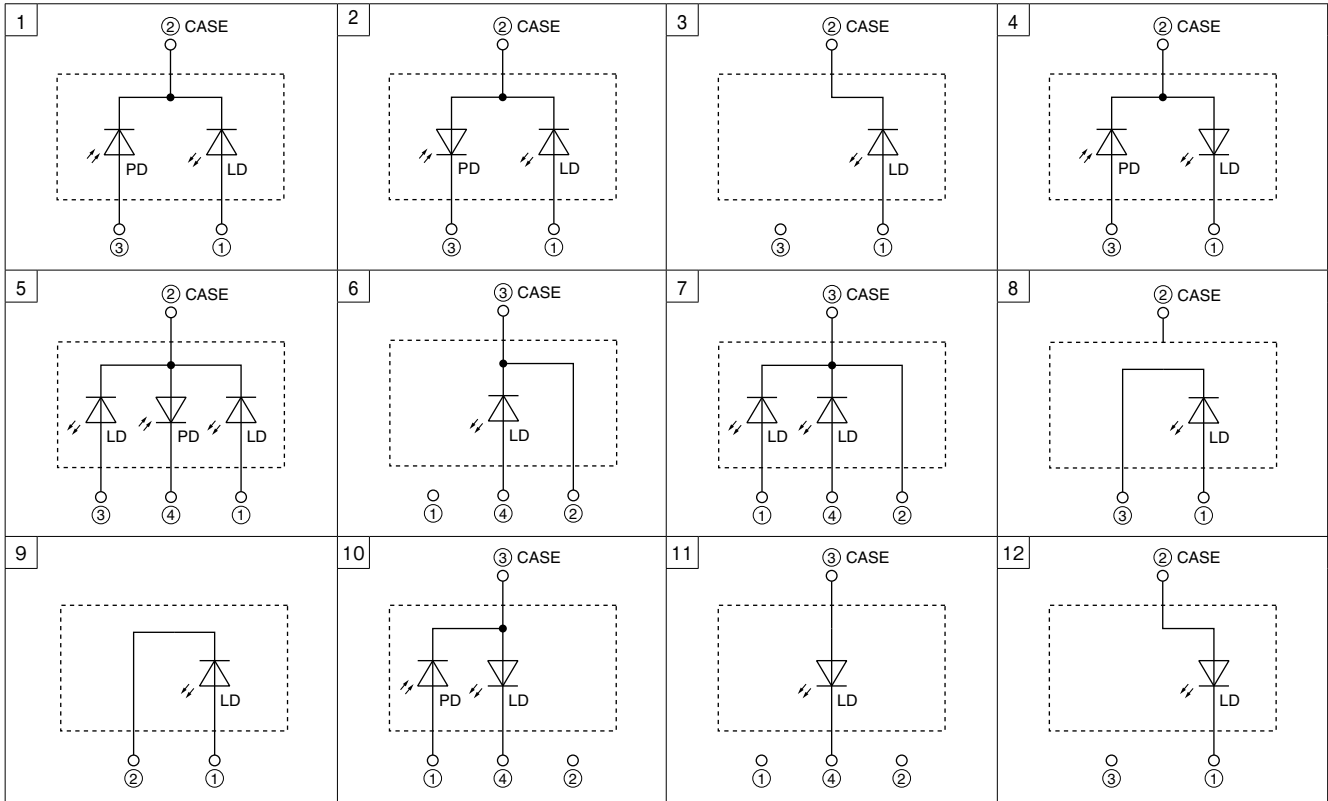
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## ◆Terminal Connections



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