

☆New product
★Under development



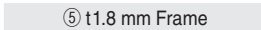
■ Laser Diodes

◆ Package Lineup

· Can



· Frame



◆ Specifications

<High Output Laser Diodes>

(T_c = 25°C)

Package	Model No.	Wavelength (band) λ _p (nm)	Absolute maximum ratings ^{*1}		Characteristics								Emitter Quantity	Terminal connections	Applications
			I _{op} (mA)	T _{op} (°C)	P _o (mW)	I _{th} (mA)	I _{op} (mA)	V _{op} (V)	η _d (mW/mA)	λ _p (nm)	θ _{//} (°)	θ _⊥ (°)			
① ø9 mm Can	★GH04C05W9G	435	3 500 2 800	0 to +45 45 to +60	5 000	330	3 300	4.4	1.7	435	9 ^{*3}	48 ^{*3}	1	13	Display, etc.
	☆GH04C05Y9G	440	3 500 2 800	0 to +35 35 to +60	5 000	370	2 900	4.6	2	440	10 ^{*3}	43 ^{*3}	1	13	
	☆GH04C03Z9G	450	2 800	0 to +60	3 500	260	2 100	4.9	1.85	450	9 ^{*3}	41 ^{*3}	1	13	
	★GH04C06X9G	450	4 300	0 to +60	6 000	350	4 000	4.8	1.6	450	7 ^{*3}	44 ^{*3}	2	13	
	GH05C01A9G	520	1 400	0 to +60	600	180	1 050	5.7	0.7	520	9 ^{*3}	44 ^{*3}	1	9	
	★GH05C01C9G	520	2 000 1 700	0 to +25 25 to +60	1 000	250	1 800	5.5	0.65	520	8 ^{*3}	41 ^{*3}	2	9	
	★GH06C01A9G	638	(tbd)	-10 to +45	1 200	380	1 400	2.25	(tbd)	640	5 ^{*2}	36 ^{*2}	1	9	
	★GH06C02B9G		(tbd)	0~+55	2 500	600	2 800	2.4	1.1	639	15 ^{*3}	70 ^{*3}	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/e² peak intensity.

Notice

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<Laser Diodes>

(Tc = 25°C)

Package	Model No.	Wavelength (band) λ_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)	η_d (mW/mA)	λ_p (nm)	$\theta_{//}^{*2}$ (°)	θ_{\perp}^{*3} (°)				
② ϕ 5.6mm Can	★GH0393AA2G	395	350	0 to +50	300	150	310	4.5	1.9	395	12 ^{*3}	44 ^{*3}	—	9	Sensor, etc.	
	GH0401FA2G	405	155	-10 to +75	150	40	130	5	1.7	405	9	19	—	8		
	GH0401FA2K		350	0 to +50	300	140	325	4.5	1.8	406	14 ^{*3}	41 ^{*3}	○	4		
	GH04W10A2GC		700	0 to +30	600	120	420	4.4	2	405	16 ^{*3}	38 ^{*3}	—	9		
	☆GH0406AA2G	450	85	-10 to +70	80	22	84	5.1	1.3	450	10	24	—	8		
	GH04580A2G		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	Display, etc.	
	GH05030D2L	505	35	-10 to +60	30	30	75	6	0.65	505	8	23	—	12		
	GH05230H2K	520	35	-10 to +60	30	25	70	6.5	0.65	520	7	22	○	4		
	GH05250F2K		55		50	40	100	5.9	0.7							
	GH05280E2K		85		80	65	180	6.5	0.7		23					
	GH0521DE2G		135		130	70	270	6.7	0.65		8	22	—	8		
	GH06330A2G	638	30	-10 to +60	30	30	50	2.3	1.4	638	7	16	—	8		
	GH0631A2GC		185		180	70	215	2.55	1.15		8	13				
	★GH0632BA2GC		210		200	55	230	2.65		639	8	15				
	GH0637AA2G		700		-10 to +40	700	110	810	2.46	1	638	16		35		9
	★GH0652CA2GC	650	220	-10 to +70	200	55	220	2.6	1.2	650	8	12.5	—	9		Sensor, etc.
	☆GH06610A2KC	660	12	-40 to +90	10	15	24	2.2	1.1	660	12	33	○	4		
	GH06P25A2CC		100	-10 to +70	95	40	122	2.4		660	10	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			
☆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					
③ ϕ 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	7	23	—	8		
	GH0521DE5G		135		130	70	270	6.7	0.65		8	22				
	GH0631CA5GC	638	120	-10 to +60	120	50	150	2.5	1.2	638	8	15	—	8		
GH0631A5G	185		150		60	190	1.15		7.5							
④ ϕ 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	GH15130C8C	515	35	-10 to +60	30	30	90	7.0	0.5	515	7.5	22	—	6	Display, etc.	
	GH1631AA8C	638	100	-10 to +60	100	50	130	2.45	1.2	638	8	15	—	6		
	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/e² peak intensity.

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

Notice

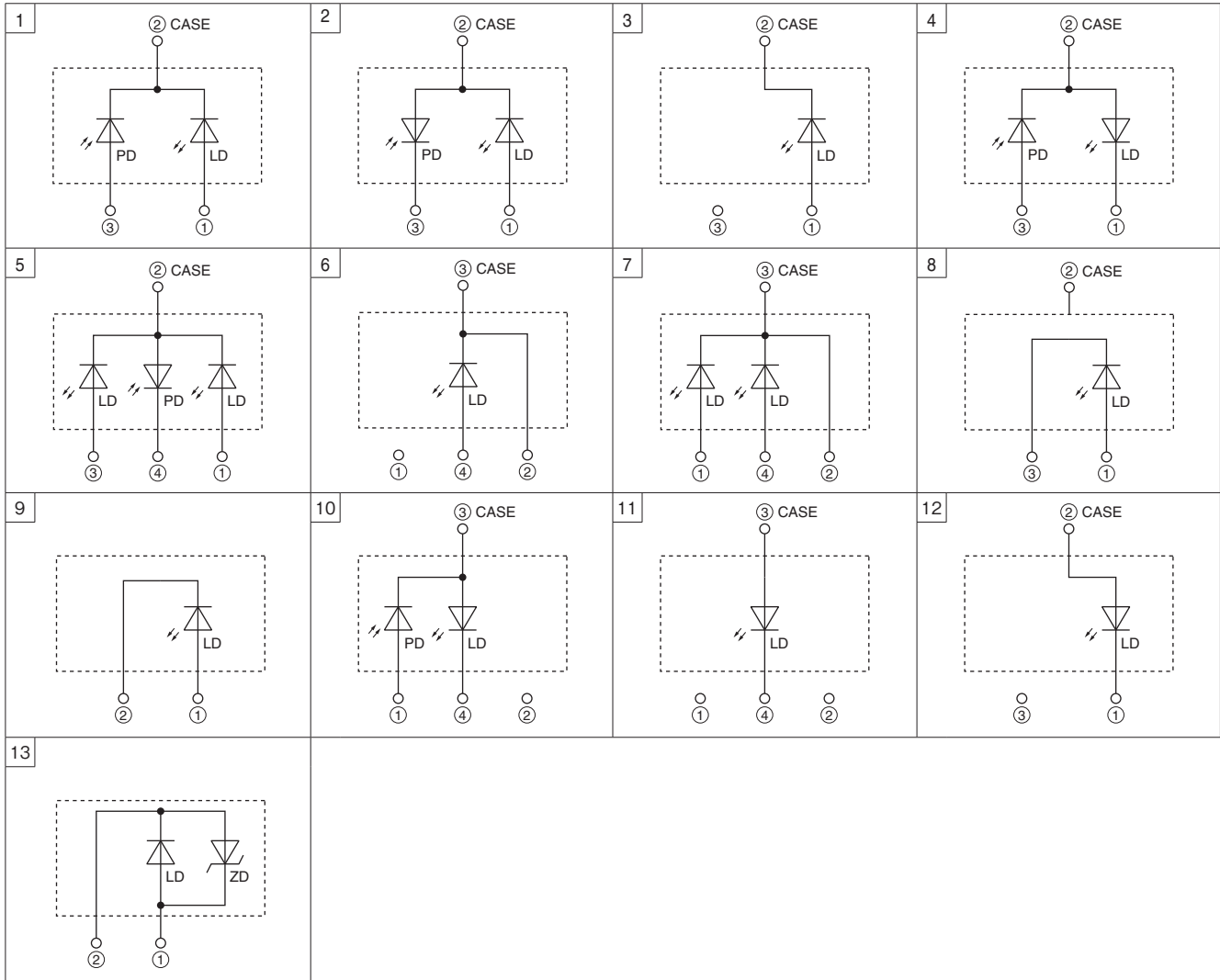
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◆Terminal Connections



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