


☆ New product  
★ Under development



## ■ Laser Diodes


- ◆ Model Configurations
- Laser diodes lineup

Wavelength (nm)	Absolute maximum ratings (mW) <sup>*1</sup>	Oscillation transverse mode <sup>*2</sup>	Package				
			 ø5.6 mm Can type	 ø3.8 mm Can type	 ø3.3 mm Can type	 1.8 mm t Frame type	 1.2 mm t Frame type
405 band	20	SM	★GH04020D2AG	-	-	-	-
450 band	80	SM	★GH04580A2G	-	-	-	-
638 band	7 / 10 / 15	SM	-	-	-	-	☆GH163xxxUK series
	30	SM	-	-	-	★GH16330A8C	-
	50	SM	-	-	-	★GH16350A8C	-
	100	SM	-	-	-	★GH1631AA8C	-
	120	SM	-	★GH0631CA5G	-	-	-
	160	SM	-	★GH0631GA5G series	-	-	-
642 band	150	SM	☆GH0631IA2G series	-	-	-	-
			GH0641FA2G series	-	-	-	-
650 band	200	SM	★GH0652AA2G series	-	-	-	-
660 band	10	SM	-	-	GH06510F4A	-	-
	100	SM	GH06P25A2C	-	-	GH16P32C8C	-
750 band	700	MM	★GH0752WA2G	-	-	-	-
785 band	25	SM	GH07825D2K	-	-	-	-
	155	SM	-	-	GH07P28F4C	-	-
2ch	25 × 2	SM	GH3S225D2B	-	-	-	-
830 band	210	SM	☆GH0832BAxx series	-	☆GH0832BA4C	★GH1832BA8C	-
	700	MM	★GH0832WA2G	-	-	-	-
850 band	700	MM	★GH0852WA2G	-	-	-	-
940 band	210	SM	★GH0942BA1K	-	-	★GH1942BA8C	-
	285	MM	☆GH0942IA2CC	-	-	-	-
	500	MM	★GH0942WA2G	-	-	-	-

\*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. For CW (continuous wave) output.

\*2 SM: Single Mode  
MM: Multi Mode

## • Eye-safe<sup>\*1</sup> laser diodes lineup

Wavelength (nm)	Absolute maximum ratings (A) <sup>*2</sup>	Light output TYP. (mW)	Oscillation transverse mode <sup>*3</sup>	Package
				 ø5.6 mm Eye-safe type
750 band	1	470 / 450	MM	★GH4757AxTG series
830 band	1	520 / 500	MM	☆GH4837AxTG series
850 band	1	520 / 500	MM	★GH4857AxTG series
940 band	1	370 / 330	MM	★GH4945AxTG series

\*1 Laser with improved safety for eyes.

\*2 The absolute maximum ratings are the limits that are not to be exceeded under any condition whatsoever, whether in testing or in actual use. For CW (continuous wave) output.

\*3 SM: Single Mode  
MM: Multi Mode



## ◆ Specifications

### • Laser diodes

(Tc = 25°C)

Model No.	Wave-length (nm)	Absolute maximum ratings* <sup>1</sup> (mW)	Operating temperature (°C)	Package size	Built-in monitor PD	Terminal connections	Applications	
★GH04020D2AG	405 band	20	tbd to +70	ø5.6 mm CAN	○	1	BD player	
★GH04580A2G	450 band	80	tbd to +70	ø5.6 mm CAN	—	8	Display, etc.	
☆GH163xxxUK series	638 band	7 / 10 / 15	-10 to +50	1.2 mm frame	○	10	Display, etc.	
★GH16330A8C		30						
★GH16350A8C		50	-10 to +60	1.8 mm frame	—	6		
★GH1631AA8C		100						
★GH0631CA5G		120	-10 to +60	ø3.8 mm CAN	—	8		
★GH0631GA5G series		160						
☆GH0631IA2G series		185	-10 to +65	ø5.6 mm CAN	—	9		
GH0641FA2G series	642 band	155	-10 to +60	ø5.6 mm CAN	—	8	Display, etc.	
★GH0652AA2G series	650 band	200	-10 to +60	ø5.6 mm CAN	—	9	Display, etc.	
GH06510F4A	660 band	10	-10 to +70	ø3.3 mm CAN	○	1	Bar code reader, laser displacement gauge, etc.	
GH16P32C8C		100	-10 to +70	1.8 mm frame	—	6	Various types of sensors, etc.	
GH06P25A2C				ø5.6 mm CAN		3		
★GH0752WA2G	750 band	700	-10 to +70	ø5.6 mm CAN	—	8	Various types of sensors, etc.	
GH07825D2K	785 band	25	-10 to +60	ø5.6 mm CAN	○	4	Printer, copier, MFP	
GH07P28F4C		155	-10 to +70	ø3.3 mm CAN	—	3	Various types of sensors, etc.	
GH3S225D2B		25 × 2	-10 to +60	ø5.6 mm CAN	○	5	Printer, copier, MFP	
☆GH0832BA2C	830 band	210	-10 to +70	ø5.6 mm CAN	—	3	Various types of sensors, etc.	
☆GH0832BA1K			-10 to +70		○	4		
☆GH0832BA2K			-10 to +70	ø3.3 mm CAN	—	3		
☆GH0832BA4C			-10 to +70		—	6		
★GH1832BA8C			700	-10 to +70	ø5.6 mm CAN	—		8
★GH0832WA2G			850 band	700	-10 to +70	ø5.6 mm CAN		—
★GH0942BA1K	940 band	210	-10 to +70	ø5.6 mm CAN	○	4	Various types of sensors, etc.	
★GH1942BA8C			-10 to +70	1.8 mm frame	—	6		
☆GH0942IA2CC			285	-10 to +65	ø5.6 mm CAN	—		3
★GH0942WA2G			500	-10 to +70		—		8

\*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. For CW (continuous wave) output.

### • Eye-safe\*<sup>1</sup> laser diodes

Model No.	Wavelength (nm)	Absolute maximum ratings (A)* <sup>2</sup>	Light output TYP. (mW)	Operating temperature (°C)	Package size	Built-in monitor PD	Terminal connections	Applications
★GH4757AxTG series	750 band	1	470 / 450	tbd to +70	ø5.6 mm CAN	—	8	Various types of sensors, etc.
☆GH4837AxTG series	830 band		520 / 500					
★GH4857AxTG series	850 band		520 / 500					
★GH4945AxTG series	940 band		370 / 330					

\*1 Laser with improved safety for eyes.

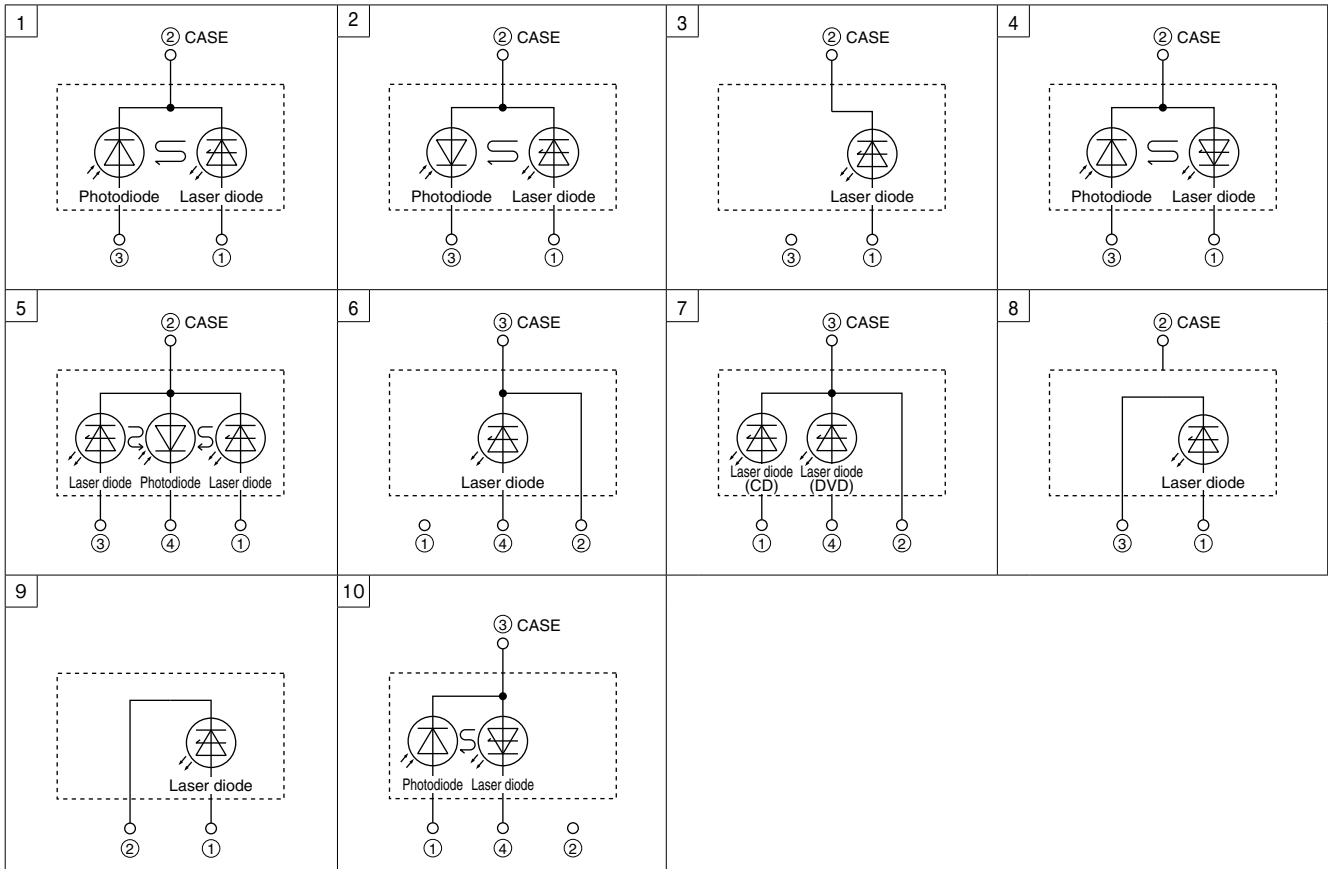
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#### Notice

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## • Terminal Connections



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