

Datasheet

■ Application

Distance Measurement, Particulate Matter Detection, Light Source Indication, Barcode Reading, Sensor.

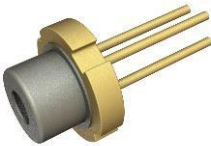
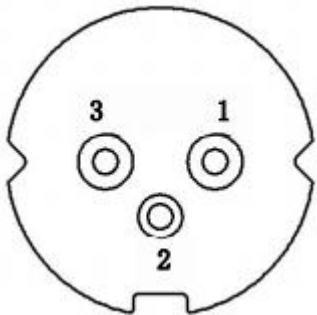
■ Main Features

High efficiency, high reliability.

■ Package

TO5.6

■ Pin



1	2	3	4
☐ LD 正接 PD 反接	☐ LD 反接 PD 反接	☐ LD 反接 PD 正接	☒ LD 正接 无 PD

■ Absolute Maximum Ratings

Parameters	Symbol	Value	Unit
Maximum Optical Power	P _o	7	mW
Maximum LD Reverse Voltage	V _{Rld}	2	V
Maximum PD Reverse Voltage	V _{Rpd}	30	V
Working Temperature	T _{op}	-40 ~ 70	°C
Storage Temperature	T _{stg}	-40 ~ 80	°C

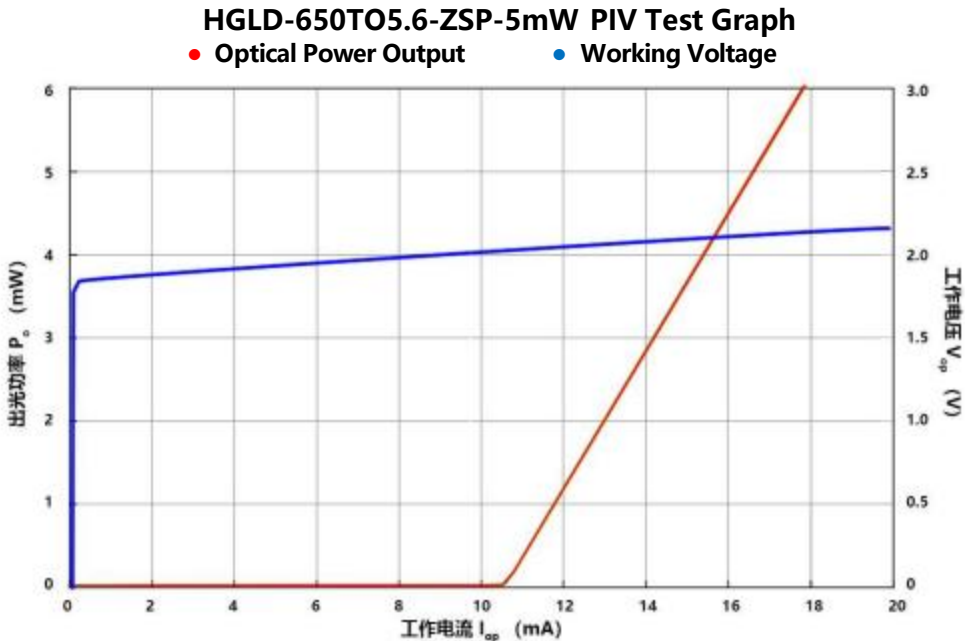
■ Photoelectric Parameters (25°C)

Parameters	Symbol	Min.	Typ.	Max.	Unit
Rated Optical Power	P _o	-	5	-	mW
Central Wavelength	λ	-	650	660	nm
Threshold Current	I _{th}	-	11	15	mA
Working Current	I _{op}	-	17	20	mA
Working Voltage	V _{op}	-	2.1	2.3	V
Slope Efficiency	SE	0.6	0.9	-	W/A
Monitor Current	I _m	-	0.2	0.3	mA
Divergence	θ _⊥ × θ _∥	-	38×8	42×10	Deg

Note 1: The above table shows the photoelectric parameters at the rated optical power of 5mW.

Note 2: Divergence angle θ_⊥ and θ_∥ are FWHM.

■ Typical PIV Test Graph



■ **Size (Unit: mm)**

