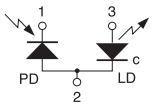
λ = 658 nm, P = 35 mW, Single Mode Hitachi HL6501MG

CAUTION: ELECTROSTATIC SENSITIVE

Pin Description
1 monitor diode cathode
2 common case
3 laser anode



PIN CODE 5C

- Ø5.6 mm Package
- AlGaInP Structure
- 1 x 5 µm Emitter Size
- Single Longitudinal Mode
- Pulsed Optical Power of 50 mW with a ≤ 50% Duty Cycle, Maximum Pulse Width of 100 ns

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6501MG	£ 27.26	€ 35,16	¥ 333.38

*For quantities over 5 pieces, please call a local office for pricing.

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
HL6501MG	$ 39.50	$ 33.58	$ 25.68	Hitachi 658 nm, 35 mW

Absolute Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output Power (CW)	P_O	35 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-10 to 60 °C
Storage Temperature	T_{stg}	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 30 mW)

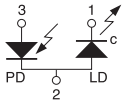
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	30 mA	45 mA	70 mA
Operation Current	I_{op}	–	65 mA	95 mA
Operation Voltage	V_{op}	2.1	2.6 V	3.0 V
Lasing Wavelength	λ_p	645 nm	658 nm	665 nm
Beam Divergence	θ//	7°	8.5°	10.5°
(FWHM)	θ⊥	18°	22°	26°
Monitor Current	I_m	0.05 mA	0.2 mA	1.5 mA

Note: All data is presented as typical unless otherwise specified.

λ = 658 nm, P = 45 mW, Single Mode Sanyo DL6147-040

CAUTION: ELECTROSTATIC SENSITIVE

Pin Description
1 laser cathode
2 common case
3 monitor diode anode



PIN CODE 5A

- Ø5.6 mm Package
- 30 mA (Typ.) Threshold Current
- Single Longitudinal Mode

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
DL6147-040	£ 24.64	€ 31,78	¥ 301.31

*For quantities over 5 pieces, please call a local office for pricing.

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
DL6147-040	$ 35.70	$ 32.13	$ 24.99	Sanyo 658 nm, 45 mW

Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output Power (CW)	P_O	45 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
Operation Case Temperature	T_c	-10 to 60 °C
Storage Temperature	T_{stg}	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 40 mW)

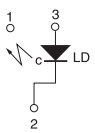
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	–	30 mA	50 mA
Operation Current	I_{op}	–	65 mA	85 mA
Operation Voltage	V_{op}	–	2.4 V	2.8 V
Lasing Wavelength	λp	650 nm	658 nm	665 nm
Beam Divergence	θ//	7°	10°	13°
(FWHM)	θ⊥	12°	16°	20°
Monitor Current	I_m	0.3 mA	0.5 mA	0.7 mA

Note: All data is presented as typical unless otherwise specified.

λ = 658 nm, P = 50 mW, Single Mode Hitachi HL6512MG

CAUTION: ELECTROSTATIC SENSITIVE

Pin Description
1 no connection
2 laser cathode
3 laser anode



OPEN PIN CODE
(Compatible with Styles A, B, & C)

- Ø5.6 mm Package
- AlGaInP Structure
- Single Longitudinal Mode
- 70 mW Output Power with 100 ns Pulse Width, 50% Duty Cycle

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6512MG	£ 34.02	€ 43,88	¥ 416.10

*For quantities over 5 pieces, please call a local office for pricing.

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
HL6512MG	$ 49.30	$ 46.84	$ 43.39	Hitachi 658 nm, 50 mW

Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output Power (CW)	P_O	50 mW
Optical Output Power (Pulse)	P_O	70 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
Operation Case Temperature	T_c	-10 to 70 °C**
Storage Temperature	T_{stg}	-40 to 85 °C*

*Pulse Width = 100 ns, Duty Cycle = 50%.
**Note: The value of -10 to +70 °C is effective under pulse operation. The value under CW operation is -10 to +60 °C.

Characteristics (T_C = 25 °C, P = 50 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	30 mA	45 mA	60 mA
Operation Current	I_{op}	–	115 mA	135 mA
Operation Voltage	V_{op}	2.1	2.6 V	3.0 V
Beam Divergence	θ//	7°	8.5°	11°
(FWHM)	θ⊥	18°	21°	26°
Lasing Wavelength	λ_p	650 nm	658 nm	662 nm
Astigmatism	A_S	–	5 µm	–

Note: All data is presented as typical unless otherwise specified.