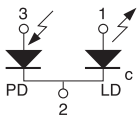
All laser diodes are extremely electrostatic sensitive; see page 1244 for our selection of antistatic products.

λ = 405 nm, P = 5 mW, Single Mode Sanyo DL3146-151

- Ø5.6 mm ØPackage
- 405 nm (Typ.) Wavelength
- 5 mW Output Power (CW)
- 35 mA (Typ.) Threshold Current

CAUTION: ELECTROSTATIC SENSITIVE

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



PIN CODE 5B

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
DL3146-151	£ 1,124.70	€ 1.450,70	¥ 13,757.20

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

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
DL3146-151	$ 1630.00	$ CALL	$ CALL	Sanyo 405 nm, 5 mW

Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output Power (CW)	P_O	7 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_C	0 to 60 °C
Storage Temperature	T_{stg}	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 5 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	–	35 mA	55 mA
Operating Current	I_{op}	–	40 mA	60 mA
Operating Voltage	V_{op}	–	5.0 V	6.0 V
Lasing Wavelength	λ_p	395 nm	405 nm	415 nm
Beam Divergence (FWHM)	$\theta\perp$	16°	20°	24°
	$\theta//$	6°	8°	14°
Off-Axis Angle (Perpendicular)	$\Delta\theta_v$	-3°	–	3°
Off-Axis Angle (Parallel)	$\Delta\theta_h$	-2°	–	2°
Slope Efficiency (mW/ mA)	η_s	0.5	0.8	–
Monitor Current (mA)	I_m	0.1	0.2	1.0

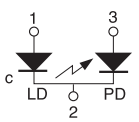
λ = 406 nm, P = 20 mW, Single Mode Sharp GH04020B2A

- Ø5.6 mm Package
- 406 nm (Typ.) Wavelength
- 20 mW Output Power (CW)
- 23 mA (Typ.) Threshold Current

CAUTION: ELECTROSTATIC SENSITIVE

NEW product

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



PIN CODE 5B

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
GH04020B2A	£ 217.35	€ 280,35	¥ 2,658.60

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

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
GH04020B2A	$ 315.00	$ CALL	$ CALL	Sharp 406 nm, 20 mW

Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output (CW)	P_O	25 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_C	-10 to 70 °C
Storage Temperature	Tstg	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 20 mW)

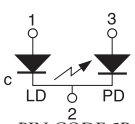
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	–	23 mA	50 mA
Operating Current	I_{op}	–	38 mA	60 mA
Operating Voltage	V_{op}	–	4.9 V	5.8 V
Lasing Wavelength	λ_p	400 nm	406 nm	413 nm
Beam Divergence (FWHM)	$\theta\perp$	15°	20°	24°
	$\theta//$	6.0°	9.5°	12°
Off-Axis Angle (Perpendicular)	$\Delta\theta_v$	-3.0	–	3.0
Off-Axis Angle (Parallel)	$\Delta\theta_h$	-2.5	–	2.5
Slope Efficiency (mW/mA)	η_s	0.7	1.1	1.6
Monitor Current (mA)	I_m	0.3	0.6	0.9

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

λ = 406 nm, P = 125 mW, Single Mode Sharp GH04125A2A

CAUTION: ELECTROSTATIC SENSITIVE

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



PIN CODE 5B

NEW product

- Ø5.6 mm Package
- 125 mW Output Power (CW)
- 0.6 mA (Typ.) Monitor Current

ITEM#	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
GH04125A2A	£ 868.80	€ 1.120,60	¥ 10,626.00

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

ITEM#	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
GH04125A2A	$ 1259.00	$ CALL	$ CALL	Sharp 406 nm, 125 mW

Absolute Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	RATING
Optical Output Power (CW)	P_O	150 mW
LD Reverse Voltage	$V_{R(PD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-10 to 70 °C
Storage Temperature	T_{stg}	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 20 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Threshold Current	I_{th}	–	35 mA	50 mA
Operating Current	I_{op}	–	125 mA	155 mA
Monitor Current	I_m	0.1	0.3	0.5
Operating Voltage	V_{op}	–	5.4 V	6.4 V
Lasing Wavelength	λ_p	400 nm	406 nm	413 nm
Beam Divergence (FWHM)	$\theta\perp$	16°	19°	24.5°
	$\theta//$	6.0°	9.5°	12°
Off-Axis Angle (Perpendicular)	$\Delta\theta_h$	-3.0	–	3.0
Off-Axis Angle (Parallel)	$\Delta\theta_h$	-2.5	–	2.5
Slope Efficiency (mW/mA)	η_s	0.9	1.3	–
Monitor Current (mA)	I_m	0.1	0.3	0.5

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