

# Laserdiode, 780nm, 5mW, diameter 5.6mm

## Produktkoder:

Produktkode: AM5295

EAN13: -

HS-kode: 90132000

## Produktparametre:

Farve af lys: Infrarød

Bølgelængde: 780 nm

Spænding: 1,9-2,3 V DC

Sag: TO-18

Dækning: IP20

Livstid: 5.000 timer



## Produktvarianter:

## Produktbeskrivelse:

Laserdiode med bølgelængde 785nm og effekt 5mW.

bølgelængde 780nm

spænding 1,9-2-3V

strøm 26-40mA

beskyttelsesgrad IP20

arbejdstemperatur -10 - 50 °C

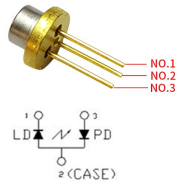
størrelse 5,6x5,6x 10 mm

pris for 1 stk

pin-forbindelse: pin nr.2 (case)=ANODE, pin nr.1=katode LD, pin nr.3=anode PD

## Galleri:

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◆ ABSOLUTE MAXIMUM RATINGS

Items	Symbol	Values	Unit
Optical Output Power	P <sub>o</sub>	7	mW
Laser Diode Reverse Voltage	V <sub>r</sub>	2	V
Photo Diode Reverse Voltage	V <sub>r</sub>	30	V
Operating Temperature	T <sub>op</sub>	-18 ~ +48	°C
Storage Temperature	T <sub>stg</sub>	-45 ~ +125	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

Items	Symbol	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P <sub>o</sub>	-	3	-	mW	-
Threshold Current	I <sub>th</sub>	-	15	30	mA	-
Operating Current	I <sub>op</sub>	-	20	40	mA	Forward
Operating Voltage	V <sub>op</sub>	1.8	2.3	3.0	V	Forward
Rise/Fall Time	t <sub>r</sub> /t <sub>f</sub>	0.5	0.4	2.0	ns	Modulated
Leakage Wavelength	λ <sub>l</sub>	700	800	900	nm	Forward
Beam Divergence	θ	0.1	8	35	mrad	Forward
		0.2	20	40	mrad	Reverse
Beam Angle	α	0.1	-	0.15	mrad	Forward
		0.1	-	0.25	mrad	Reverse
Modulation Current	I <sub>m</sub>	0.1	0.5	3.0	mA	Forward
Optical Distance	L <sub>LD, LD, PD</sub>	-	-	1400	μm	Forward
Alignment	Δx	-	-	15	μm	Forward