

Diodo laser, 780nm, 5mW, diametro 5,6mm

Riferimento: AM5295

EAN13: -

UPC: 90132000

Caratteristiche del prodotto:

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Colore della luce: Infrarossi

Lunghezza d'onda: 780nm

Tensione: 1.9-2.3V DC

Caso: TO-18

Copertura: IP20

Vita: 5.000 ore



Descrizione del prodotto:

Diodo laser con lunghezza d'onda 785nm e potenza 5mW.

lunghezza d'onda 780nm

tensione 1.9-2-3V

corrente 26-40mA

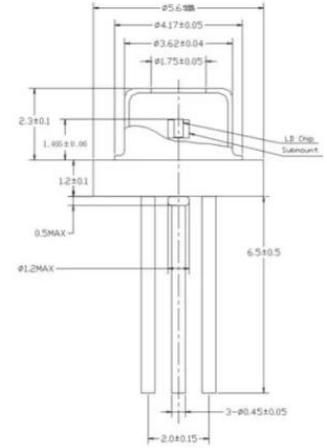
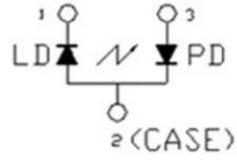
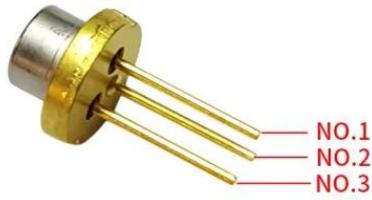
grado di protezione IP20

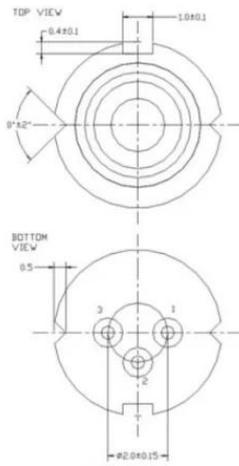
temperatura di lavoro -10 - 50 °C

dimensioni 5.6x5.6x 10 mm

prezzo per 1 pz

connessione dei pin: pin n.2 (custodia)=ANODE, pin n.1=catodo LD, pin n.3=anodo PD





◆ ABSOLUTE MAXIMUM RATING

Items	Symbols	Values	Unit
Optical Output Power	P	7	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T _{opr}	-10 ~ +60	°C
Storage Temperature	T _{stg}	-40 ~ +80	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P _o	-	5	-	mW	-
Threshold Current	I _{th}	-	13	30	mA	-
Operating Current	I _{op}	-	26	40	mA	P _o =5mW
Operating Voltage	V _{op}	-	1.9	2.3	V	P _o =5mW
Slope Efficiency	SE	0.3	0.4	0.7	mW/mA	P _o ≤3 ~ 5mW
Lasing Wavelength	λ _p	770	782	800	nm	P _o =5mW
Beam Divergence	θ _∥	8	9	15	deg	P _o =5mW
	θ _⊥	25	28	40	deg	P _o =5mW
Beam Angle	Δθ _∥	-	-	±1.5	deg	P _o =5mW
	Δθ _⊥	-	-	±2.5	deg	P _o =5mW
Monitor Current	I _m	0.1	0.3	0.6	mA	P _o =5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	±60	μm	P _o =5mW
Astigmatism	As	-	-	15	μm	P _o =5mW