

Diodo laser, 635nm, 5mW, diametro 5,6mm

Riferimento: AM8180

EAN13: -

UPC: 90132000

Caratteristiche del prodotto:

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Colore della luce: Rosso

Lunghezza d'onda: 635-640 nm

Tensione: 2.0-2.2V DC

Caso: TO-18

Copertura: IP20

Vita: 5.000 ore



Descrizione del prodotto:

Diodo laser con lunghezza d'onda 635nm e potenza 5mW.

lunghezza d'onda 635nm

tensione 2,2-2,7V

tensione inversa 2V

corrente 32-45mA

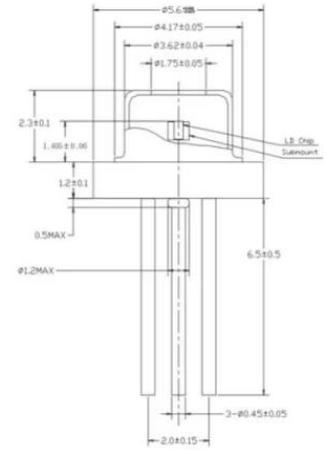
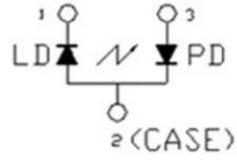
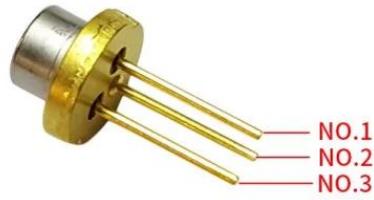
grado di protezione IP20

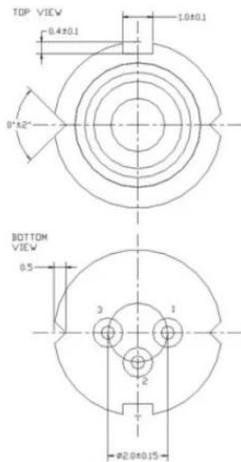
temperatura di esercizio -10 - 50 °C

dimensioni 5,6x5,6x 10 mm

prezzo per 1 pz

connessione pin: pin n.2 (caso)=ANODO, pin n.1=catodoLD, pin n.3=anodo PD





◆ ABSOLUTE MAXIMUM RATING at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	P	6	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T _{opr}	-10 ~ +40	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at Tc=25°C

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P _o	-	5	-	mW	-
Threshold Current	I _{th}	-	23	35	mA	-
Operating Current	I _{op}	-	32	45	mA	P _o =5mW
Operating Voltage	V _{op}	-	2.2	2.7	V	P _o =5mW
Lasing Wavelength	λ _p	630	637	640	nm	P _o =5mW
Beam Divergence	θ	6	8	12	deg	P _o =5mW
	θ _⊥	28	34	40	deg	P _o =5mW
Beam Angle	Δθ	-	-	±2.0	deg	P _o =5mW
	Δθ _⊥	-	-	±3.0	deg	P _o =5mW
Monitor Current	I _m	0.05	0.15	0.4	mA	P _o =5mW
Optical Distance	ΔX, ΔY, ΔZ	-	-	160	μm	-