

Laserska dioda, 635nm, 5mW, promjer 5.6mm

Šifre proizvoda:

Šifra proizvoda: AM8180

EAN13: -

HS kód: 90132000

Parametri proizvoda:

Boja svjetla: Crvena

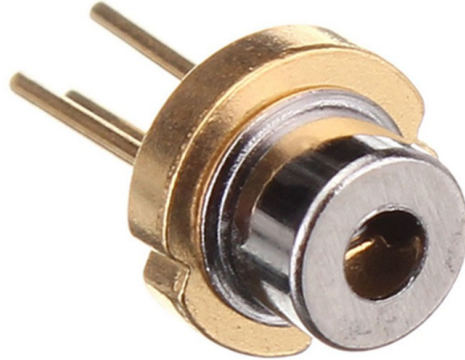
Valna duljina: 635-640 nm

Napetost: 2,0-2,2 V DC

Kućište: TO-18

Pokriti: IP20

Vijek trajanja: 5000 sati



Varijante proizvoda:

Opis proizvoda:

Laserska dioda valne duljine 635nm i snage 5mW.

valna duljina 635nm

napon 2,2-2,7V

reverzni napon 2V

struja 32-45mA

stupanj zaštite IP20

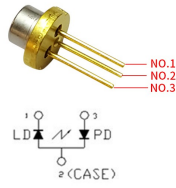
radna temperatura -10 - 50 °C

dimenzija 5,6x5,6x 10 mm

cijena za 1 komad

Spajanje pinova: pin br. 2 (kućište) = ANODA, pin br. 1 = katoda LD, pin br. 3 = anoda PD

Galerija:



▲ABSOLUTE MAXIMUM RATING at Tc=25°C

Items	Symbol	Values	Unit
Optical Output Power	P _o	6	mW
Laser Diode Reverse Voltage	V _r	2	V
Photo Diode Reverse Voltage	V _r	30	V
Operating Temperature	T _{op}	-10 ~ +40	°C
Storage Temperature	T _{stg}	-40 ~ +80	°C

▲ELECTRICAL AND OPTICAL CHARACTERISTICS at Tc=25°C

Items	Symbol	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P _o	-	3	-	mW	-
Threshold Current	I _{th}	-	20	30	mA	-
Operating Current	I _{op}	-	10	40	mA	Pin=0V
Operating Voltage	V _{op}	-	2.2	2.7	V	Pin=0V
Lasing Wavelength	λ	660	660	660	nm	Pin=0V
	λ ₁	6	6	10	nm	Pin=0V
Beam Divergence	θ _{1/2}	28	34	40	deg	Pin=0V
Beam Angle	2θ _{1/2}	-	58	80	deg	Pin=0V
Modulation Frequency	f _m	-	100	100	MHz	Pin=0V
Optical Distance	OS, OS _{1/2}	-	400	400	μm	-