

Laserska dioda, 780 nm, 5 mW, premer 5,6 mm

Oznake izdelkov:

Koda izdelka: AM5295

EAN13: -

HS kód: 90132000

Parametri izdelka:

Barva svetlobe: Infrardeči

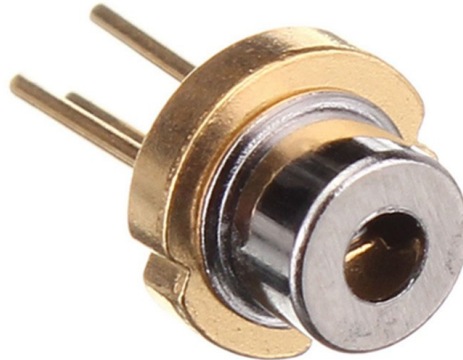
Valovna dolžina: 780 nm

Napetost: 1,9-2,3 V DC

Primer: TO-18

Pokritost: IP20

Doživljenjska doba: 5000 ur



Variante izdelkov:

Opis izdelka:

Laserska dioda z valovno dolžino 785 nm in močjo 5mW.

valovna dolžina 780 nm

napetost 1,9-2-3V

tok 26-40mA

stopnja zaščite IP20

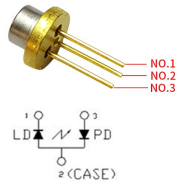
delovna temperatura -10-50 °C

velikost 5,6x5,6x10 mm

cena za 1 kos

priključek pinov: pin št. 2 (ohišje)=ANODA, pin št. 1=katoda LD, pin št. 3=anoda PD

Galerija:



◆ ABSOLUTE MAXIMUM RATINGS

Items	Symbol	Values	Unit
Optical Output Power	P _o	7	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 ~ +100	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS

Items	Symbol	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P _o	-	3	-	mW	-
Threshold Current	I _{th}	-	15	30	mA	-
Operating Current	I _{op}	-	30	45	mA	Forward
Operating Voltage	V _{op}	1.8	2.3	3.0	V	Forward
Rise/Fall Time	t _r /t _f	0.5	0.4	2.0	ns	Photo-Load
Leakage Wavelength	λ _l	700	800	900	nm	Forward
Beam Divergence	θ	0.1	8	30	mrad	Forward
		0.2	20	40	mrad	Reverse
Beam Angle	α	0.1	-	0.15	mrad	Forward
		0.1	-	0.25	mrad	Reverse
Relative Current	I _{rel}	0.1	0.3	0.6	-	Forward
Optical Distance	L _{LD, LD, PD}	-	100	100	μm	Forward
Alignment	Δx	-	15	15	μm	Forward