

Laserdiode, 635nm, 20mW, diameter 5,6mm

Produktkoder:

Produktkode: AM8989

EAN13: -

HS-kode: 90132000

Produktparametre:

Bølgelængde: 635-640 nm

Sag: TO-18

Dækning: IP20



Produktvarianter:

Produktbeskrivelse:

Laserdiode med en bølgelængde på 635nm og en effekt på 20mW.

bølgelængde 635nm

spænding 2,3-2,6V

omvendt spænding 10V

strøm 75-85mA

beskyttelsesniveau IP20

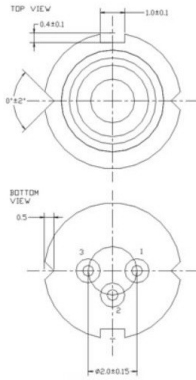
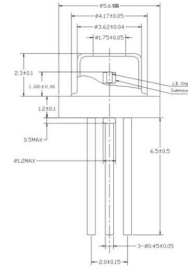
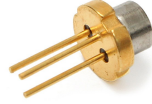
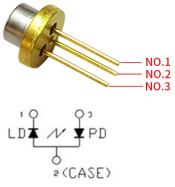
arbejdstemperatur -10 - 50 °C

størrelse 5,6x5,6x10 mm

pris for 1 stk

Pin tildeling: pin nr. 2 (hus)=ANODE, pin nr. 1=LD katode, pin nr. 3=PD anode

Galleri:



◆ ABSOLUTE MAXIMUM RATING at Tc=25 °C

Items	Symbols	Values	Unit
Optical Output Power	P	30	mW
Laser Diode Reverse Voltage	V	10	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	T _{op}	-10 ~ 60	°C
Storage Temperature	T _{stg}	-40 ~ 100	°C

◆ ELECTRICAL and OPTICAL CHARACTERISTICS at Tc=25 °C

Items	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	P	-	20	-	mW	-
Threshold Current	I _{th}	-	60	80	mA	-
Operating Current	I _o	-	75	85	mA	P=30mW
Operating Voltage	V _o	2.0	2.6	-	V	P=30mW
Slope Efficiency	η _s	0.4	0.7	1.0	W/WmA	P=30mW
Lasing Wavelength	λ _s	634	638	644	nm	P=30mW
Beam Divergence	θ _{1/2}	5	5	12	mrad	P=30mW
	θ	20	30	30	mrad	P=30mW
Beam Angle	Δθ _{1/2}	-3	-	3	mrad	P=30mW
	Δθ	-3	-	3	mrad	P=30mW
Monitor Current	I _m	0.1	0.0	0.4	mA	P=30mW
Optical Distance	ΔL, ΔV, ΔZ	-	1.80	-	mm	-