

Laser diode, 808nm, 500mW, diameter 5.6mm

Product codes:

Reference: AM6751

EAN13: -

UPC: 90132000

Product features:

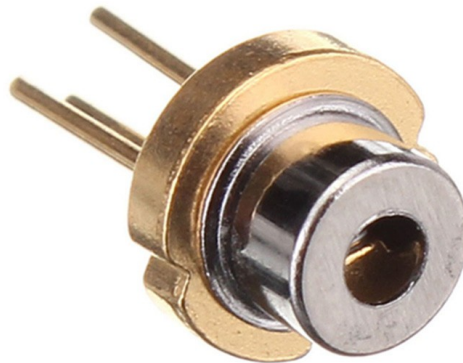
Light color: Infrared

Voltage: 2.0-2.2 V DC

Performance: 500 mW

Waterproof grade: IP20

Lifetime: 5,000 hours



Product attributes:

Product description:

Laser diode with a wavelength of 808nm and a power of 500mW.

wavelength 808nm

voltage 2.2V

current max. 550mA

protection level IP20

CE, RoHS certificates

working temperature -10 - 70 °C

size 5.6x5.6x10 mm

price for 1 pc

Product gallery:



ELECTRICAL AND OPTICAL CHARACTERISTICS (112-02-01)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Optical Output Power	P_o	—	500	—	mW
Lasering Wavelength	λ	804	808	810	nm
Threshold Current	I_{th}	15	70	90	mA
Operating Current	I_o	—	500	1000	mA
Operating Voltage	V_o	1.8	2.0	2.2	V
Slope Efficiency	η	1	1.1	1.2	W/A
Divergence Angle	θ_{div}	—	30±10	30-12	Deg

* All values are typical values.
 ** All values are maximum values.
 † I_o and V_o are defined at half power at half voltage.

