

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

Reference: AM6751
EAN13: -
HS code: 90132000



Product attributes:

Product features:

Light color: Infrared
Voltage: 2.0-2.2 V DC
Performance: 500 mW
Waterproof grade: IP20
Lifetime: 5,000 hours

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



ELECTRICAL AND OPTICAL CHARACTERISTICS (Tc=25° C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Optical Output Power	P_o	-	500	-	mW
Lasing Wavelength	λ	804	808	810	nm
Threshold Current	I_{th}	55	70	90	mA
Operating Current	I_{op}	-	500	550	mA
Operating Voltage	V_{op}	1.8	1.95	2.2	V
Slope Efficiency	SE	1	1.1	1.2	W/A
Divergence Angle	$\theta_1 \times \theta_2$	-	35°x10	38°x12	Deg

*1: All above values are evaluated under 500mW optical power output.
*2: θ_1 and θ_2 are defined as full width at half maximum.

