



DB LECTRO[®]
COMPOSANTS ÉLECTRONIQUES
ELECTRONIC COMPONENTS

8018-4200-00

808nm 180mW IR Laser Diodes

Specifications

Device

Laser Diode

Package Type

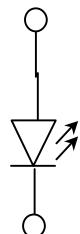
TO-18(5.6mm)

TO-5(φ 9.0mm)

50um Aperture Broad Area



1. Common



2. LD

Absolute Maximum Ratings(Tc=25 °C)

Characteristics	Symbols	Ratings	Units
Optical Output	Po	180	mW
Reverse Voltage	Vr	3	V
Operating Temperature	Top	25	

Electrical and optical Characteristics(Tc=25 °C)

Characteristics	Symbols	Conditions	Min.	Typ.	Max.	Units
Threshold Current	Ith	-	-	130	150	mA
Operating Current	Iop	Po=180mW	-	300	380	mA
Operating Voltage	Vop	Po=180mW	-	2	2.5	Volts
Slope Efficiency		100mW I(150mW)-I(50mW)	0.6	0.9	-	mW/mA
Beam Divergence (FWHM)	Parallel // Prependicular	Po=180mW	-	10	-	deg.
Lasing Wavelength		Po=180mW	805	808	813	nm