

DC-3-808-2000

Key features

Invisible Light $\lambda = 808\text{nm}$
Output Power = 2000mW
Package Type = C-mount

Applications

General Purpose Infrared Laser Light Source
Solid State Laser Pumping of Green Laser & High Power Engineering
Instruments

Electrical and Optical Characteristics at $T_c = 25^\circ\text{C}$

Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	2	-	W	-
Threshold Current	Ith	-	0.5	0.6	A	Po=2W
Operating Current	Iop	-	2.2	2.3	A	Po=2W
Operating Voltage	Vop	-	1.9	2.3	V	Po=2W
Peak Wavelength	λ_p	803	808	815	nm	Po=2W
Beam Divergence	$\theta_{//}$	8	10	12	deg	Po=2W
	θ_{\perp}	32	36	38	deg	Po=2W

EGISMOS IR Laser Diode

Absolute Maximum Rating at $T_c = -25^\circ\text{C}$

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	2	W
Laser Diode Reverse Voltage	V	2	V
Operating Temperature	To	-10~+30	$^\circ\text{C}$
Storage Temperature	Ts	-40~+85	$^\circ\text{C}$

Package Drawing

