



1000/2500mW, Fast Collimated, TO Package

Part Number: To3-C-yy



Device Specification

Optical Specification	Conditions	Value			Unit
		MIN	TYP	MAX	
Output Power	1.2/2.5A at 20 °C Heatsink		1000/2500		mW
Center Wave Length Range	1000/2500 mW at 20 °C Heatsink	-	808,940,976	-	nm
Center Wave Length Tolerance		-	±4	-	nm
Emitter length		-	1/1.5	-	mm
Slop Efficiency		-	1.1/1.4	-	W/A
Spectral Width (FWHM)	at 20 °C Heatsink	-	1.2	1.4	nm
Fast Axis Divergence (lensed)	at 20 °C Heatsink	-	1.2	-	Degree
Slow Axis Divergence	at 20 °C Heatsink	-	3.5	-	Degree
Wavelength Temperature Coefficient		-	0.26	0.3	nm / °C
Electrical Specification					
Power Conversion Efficiency	at 20 °C Heatsink	-	45	-	%
Series Resistance		-	500/350	-	mΩ
Threshold Current	at 20 °C Heatsink	-	250/600	-	mA
Operating Current		-	1.2/2.5	1.5/2.8	A
Operating Voltage		-	2/2.4	2.2/2.5	V
Thermal Parameters					
Operating Temperature Range		-10	-	40	° C
Storage Temperature Range		-40	-	60	° C
Absolute Maximum Rating					
Forward Current		-	-	1.4	A
Reverse Current		25	-	-	μA
Reverse Voltage		2.4	-	-	V

Notes

(1) Diode Laser Package is shortened to avoid destruction by electrostatic-discharge (ESD) remove it before operation.

Package Dimensions

Unit: mm

