

## Laser Modules

### TO-830-2000FO 830nm 2000mW

### *Description of the Product*

TO-830-1000FO 830nm Broad Area is a multi-lateral mode.

The new high-brightness TO-830-2000FO series laser diodes offer up to 2 W from a 60- $\mu$ m fiber into 0.22 numerical aperture (NA)—ideal for thermal printing and other applications that require high brightness and a long life. The dramatic increase in output power, from the 60-micron fiber, also enables new technologies, such as flexography, illumination, and several material processing applications.

The diode size is 31mmX12.7mmX12.5mm

The product is compact and easy to integrate in any other OEM application.

### *Specifications*

Laser Diode:

	Target	Unit
Wavelength	830	nm
Spectral bandwidth	<3	nm
Optical Output Power	2000	mW
Operating Current (Max)	3500	mA
Operating Voltage (Max)	2.1 – 2.4	V
Threshold Current	1300	mA
Conversion Efficiency	40-50	%
Operating Temperature	20	°C
Wavelength Stability Coefficient	~0.3	nm/°C
Lifespan	>5000	h

Optical Fibre:

Core Diameter	60	$\mu$ m
Numerical Aperture	0.22	N.A
Connector Type	SMA905	
Fiber Length	1	m