

830nm 3W Multimode Laser Diode

Part Number		WSLD-830-003-3		
PARAMETER	SYMBOL	VALUE	UNIT OF MEASURE	
Reverse Voltage	V_r	2.0	V	
Operating Temperature	T_{op}	+10~+30	°C	
Storage Temperature	T_{stg}	-20~+80	°C	
Lead Soldering Temperature (10 sec.)	T_{is}	260	°C	
Typical Specification (@25°C)		Min.	Typical Value	Max.
Optical Parameters	Center Wavelength	830nm+/-10nm		
	Output Power	----	3.0W	----
	Spectral Width(FWHM)	----	2.0nm	----
	Wavelength Temp. Coefficient	0.3nm/°C		
	Laser Type	FP		
	Beam Type	Multimode		
	Emitter Size	100um x 1um		
	Beam Divergence (FWHM)	----	35° ⊥x8° //	----
Electrical Parameters	Threshold Current	----	330mA	----
	Operating Current	----	3.2A	----
	Operating Voltage	----	1.9V	----
Photodiode Parameters	Photodiode	Without		
	PD Current	----	----	----
	PD Reverse Voltage (Max.)	----		
Other Parameters	Package	TO3		
	Recommended Operating Temp.	25°C		

Product Package View:

TO3 Package:

