

940nm 5W Multimode Laser Diode

Part Number		WSLD-940-005-C		
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	940nm+/-10nm		
	Output Power	----	5.0W	----
	Spectral Width(FWHM)	----	4.0nm	----
	Wavelength Temp. Coefficient	0.3nm/°C		
	Laser Type	FP		
	Beam Type	Multimode		
	Emitter Size	100um x 1um		
	Beam Divergence (FWHM)	----	35° \perp x8°//	----
Electrical Parameters	Slope Efficiency	1.0W/A	----	----
	Threshold Current	----	0.7A	1.0A
	Operating Current	----	5.3A	5.5A
	Operating Voltage	----	1.5V	1.8V
Photodiode Parameters	Photodiode	Without		
	PD Current	----	----	----
	PD Reverse Voltage (Max.)	----		
Other Parameters	Package	C-mount		
	Recommended Operating Temp.	25°C		

Product Package View:

C-mount Package:

