

850nm 50mw Single Mode laser diodes

850nm SM LD with TO18 5.6mm

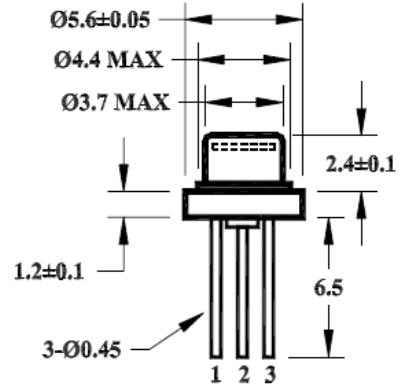
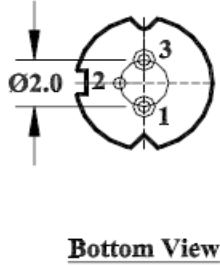
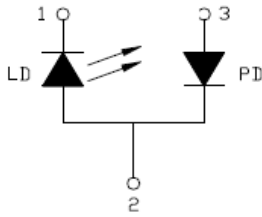
WSLD-850-050m-1-PD

Wavespectrum laser inc.

www.wavespectrum-laser.com

850nm Laser Diode 50mw/PD		Wavespectrum Laser, Inc		
Reverse Voltage	V_r	3.5	V	
Operating Temperature	T_{op}	-10 ~ +40	°C	
Storage Temperature	T_{stg}	-15 ~ +85	°C	
Lead soldering temperature (10 sec.)	T_{is}	260	°C	
Features: <ul style="list-style-type: none"> ● 850nm ● CW ● Built-in PD ● TO18 package 				
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Laser indicator ● Laser detector 				
Specifications		WSLD-850-050m-1-PD		
		Min	Type	Max
Center Wavelength@25°C		830nm	840nm	850nm
Spectral Width (FWHM)		----	2.0nm	----
Output Power		----	50mw	----
Emitter		----	Single	----
Beam Divergence (FWHM)		22° \perp x 10° \parallel	30° \perp x 15° \parallel	38° \perp x 20° \parallel
Monitor Current		----	0.1mA	----
PD Reverse Voltage		----	30V	----
PD Forward Current		----	----	----
Slope Efficiency		0.7mW/mA	0.9mW/mA	----
Threshold Current (Typ.)		----	28mA	35mA
Operating Current (Typ.)		----	85mA	110mA
Operating Voltage		1.5V	1.8V	2.1V
Package Style		TO18		



TO18(5.6mm) Package View


Electrically shorten LD module and store in non-extreme conditions.
 Suggest using the constant current power supply.



Please contact us:

Website: www.wavespectrum-laser.com (for more detailed information)

Email: info@wavespectrum-laser.com (for inquiry about this product)

