


445nm~450nm 50mW Coaxial Pigtailed Laser Diode with PMF | Blue Laser Module
450nm 50mW High Power PM Fiber Coupled LD | 3um Polarization Maintaining (SM Fiber)
RWLP-445-050m-PM

450nm Pigtailed Diode Laser 50mW/PMF			
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+70	°C
Storage Temperature	T_{stg}	-40~+85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C
Features: <ul style="list-style-type: none"> ● 450nm ● PM Fiber ● High Reliability ● High Polarization Extinction Ratio Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● Biotechnology ● Others 			
Specifications	RWLP-445-050m-PM		
	Min	Type	Max
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2.0nm	----
Output Power	----	50mW	----
Fiber Type	Polarization Maintaining Fiber		
Fiber Core	3um		
Recommend Operating Temperature	25°C		
Fiber Connector	FC/APC		
Polarization Extinction Ratio	13dB	15dB	
Fiber Length	----	80cm	100cm
Threshold Current	----	25mA	65mA
Operating Current	----	150mA	170mA
Operating Voltage	----	6.0V	7.0V
Package Style	Coaxial or B82		
High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.			

Coaxial Package View: (Part Number: RWLP-445-050m-PM)



B82 Package View: (Part Number: RWLP-445-050m-PM-B)



PIN Bottom View:



1	LD(+)
2	GND
3	LD(-)

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

