

1064 nm laser diode

Model 7: 100 W - 105 μm core fiber – 0.22 NA

Reference: 1064LD-7-0-0

Technology: Multi-emitter Multimode

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	100		
Center Wavelength	nm	1058		1070
Spectral Width (FWHM)	nm		4.5	
Threshold Current	A		0.7	
Operating Current	A		10.0	12.0
Operation Voltage	V		21.5	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w current	nm/A		1.0	
Slope Efficiency	W/A		10.0	
Fiber Buffer/tube Diameter	μm		900/250	
Fiber Clad Diameter	μm		125	
Fiber Core Diameter	μm		105	
Numerical Aperture	NA		0.22	
Storage case temperature	°C	-30		70
Operating case temperature	°C	15		55
Soldering Temperature	°C			260
Soldering time	s			10
Fiber connector	No (bare fiber)			
Dimensions	mm	123.5*62.7*22		
Fiber bend radius	mm	37.5		
Please solder the pins when the level of current is over 6A.				

Form factor:

