

790 nm laser diode

Model 5: 100 W / 105 μ m fiber / NA=0.22

Reference: 790LD-5-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	95	100	
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		4.5	6.0
Threshold Current	A		0.75	1.0
Operating Current	A		6.0	6.5
Operation Voltage	V		35.0	38.0
Conversion Efficiency	%		40	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.7	
Slope Efficiency	W/A		16.0	
Back reflection isolation WL range	nm	1900		2100
Back reflection isolation	dB		30	
Storage Temperature	°C	-30	25	70
Case Operating Temperature	°C	15	25	45
Minimum Fiber Bend Radius	mm	37.5		
Fiber Buffer/tube Diameter	μm		900	
Fiber Clad Diameter	μm		125	
Fiber Core Diameter	μm		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	155*62.7*22		
Mounting holes (Diameter/distance)	mm	6 x Ø3.5 / 27.33mm		
ROHS Compliant	Yes			
Please solder the pins when the level of current is over 6A				

Form factor:

