

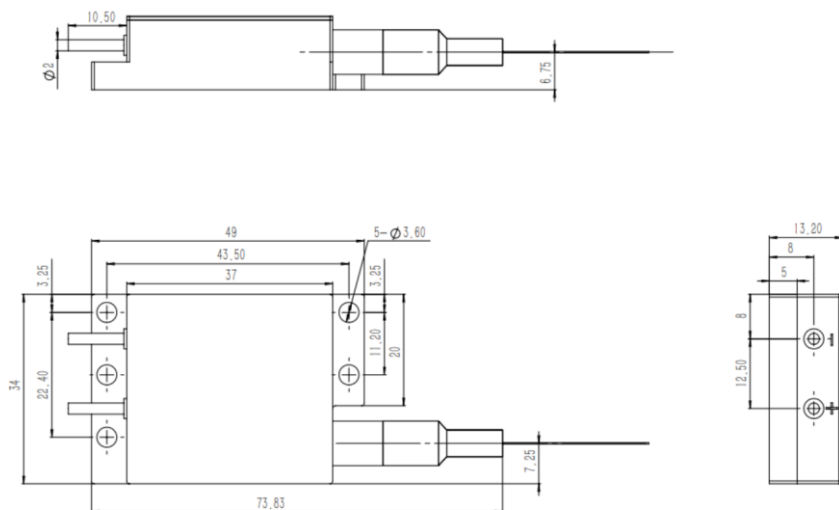
450 nm laser diode

Model 3: 15 W / 105 µm fiber / SMA connector

Reference: 450LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	-	15	-
Center Wavelength	nm	440	450	460
Spectral Width (FWHM)	nm	-	3.0	5.0
Threshold Current	A	-	0.25	0.5
Operating Current	A	-	3.0	3.5
Operation Voltage	V	-	18.0	20.0
Conversion Efficiency	%	-	20	-
Wavelength shift w Temperature	nm/°C	-	0.3	-
Slope Efficiency	W/A	-	4.0	-
Storage Temperature	°C	-30	25	70
Case Operating Temperature	°C	15	25	35
Minimum Fiber Bend Radius	mm	40	-	-
Fiber Buffer Diameter	µm	-	250	-
Fiber Clad Diameter	µm	-	125	-
Fiber Core Diameter	µm	102	105	108
Numerical Aperture	NA	0.20	0.22	0.24
Soldering Temperature	°C	-	-	260
Soldering time	s	-	-	10
Dimensions	mm	49*34*13.2		
Mounting holes diameter	mm	Ø3.6		
Fiber connector	SMA			
ROHS Compliant	Yes			

Form factor



Dimensions are in mm.