

Fiber-coupled Laser Diode Module

STC-LDM-405-35

Typical Device Performance (20°C)

Optical	Unit	Typical Value
CW Output Power	W	35
Center Wavelength	nm	405±10
Electrical		
Threshold Current	mA	140
Operating Current	mA	430
Operating Voltage	V	50
Power supply mode		8 channels
Fiber*		
Fiber Core Diameter	μm	800
Fiber Cladding Diameter	μm	880
Fiber Buffer Diameter	μm	1030
Numerical Aperture	-	0.22
Fiber Length	m	2
Fiber armor	mm	7

* 8groups of LD assembled inside the module, 430mA current and 50v voltage operating of each group.

Absolute Ratings

	Unit	Min	Max
Operating Temperature	°C	15	35
Operating Relative Humidity	%	-	75
Storage Temperature	°C	-20	80
Storage Relative Humidity	%	-	90
Lead Soldering Temperature, 10 s max	°C	-	250
Cooling mode	distilled water		

