

## High Power laser diode LDWS-980-12W-E

### Features

Wavelength 980nm  
CW  
E-mount package  
FAC Lens Optional



### Applications

Medical laser treatment  
Laser Pumping  
Others

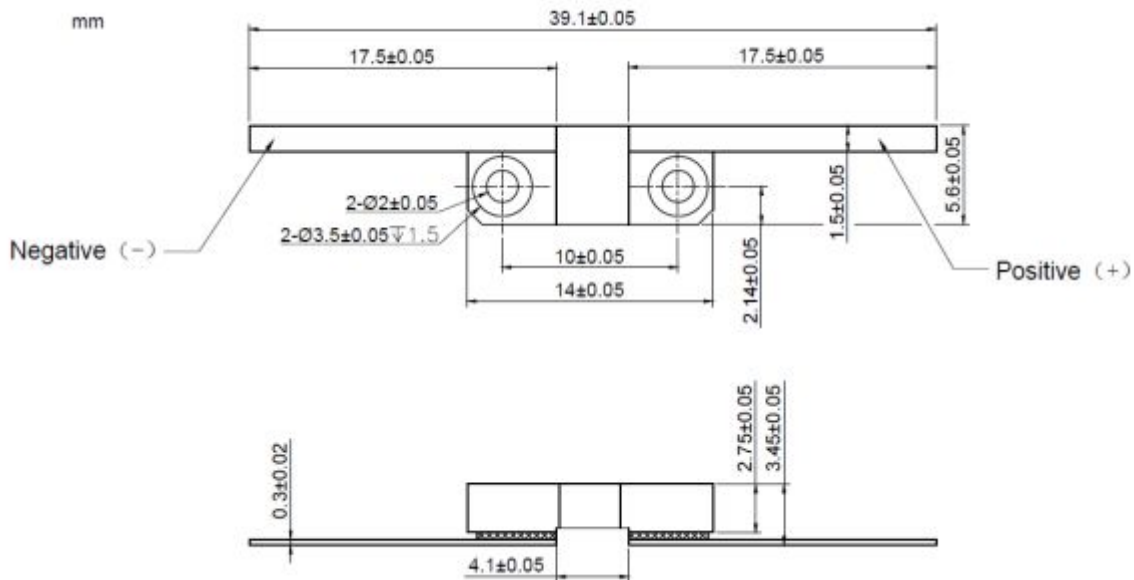
Items	Symbols	Values	Unit
Reverse voltage	$V_r$	2.0	V
Operating temperature	$T_{op}$	+10~+30	°C
Storage temperature	$T_{stg}$	-20~+80	°C
Lead soldering temperature (10sec.)	$T_{is}$	260	°C

Specifications			
Items	Values		
	Min	Type	Max
Center Wavelength @ 25°C	±5nm	976nm	±10nm
Spectral Width (FWHM)	-	4.0nm	-
Output Power	-	12W	-
Emitter Area*	-	200×1μm	-
Beam Divergence (FWHM)	-	35° ×8%	-
Temperature Coefficient of Wavelength	-	0.3nm/°C	-
Slope Efficiency	-	1.0W/A	-
Threshold Current (Typ.)	-	1.2A	-
Operating Current (Typ.)	-	13.0A	-
Operating Voltage	-	1.8V	-
Package Style	E-mount		
Recommended Operating Temperature	25°C		

\* On request: 200×1μm, 400×1μm.

**High Power laser diode LDWS-980-12W-E**

**E-mount Package View**



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



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