

Characteristic	Apply
976nm wavelength/9W power/105um optical fiber/NA=0.22	Laser pump/fiber amplifier/radar

Parameter indicators						
Typical product technical indicators (25°C)		Symbol	Unit	Modal:MAX-LD-976-10W-WMF-105		
				min	Typical value	max
Optical Data	Output Power	Pop	W	9		
	Central Wavelength		nm		976+0.5	
	Spectral Width (FWHM)		nm		0.7	
	Wave temperature drift coefficient		nm/C		0.02	
	Current temperature drift coefficient		nm/A		0.03	
Eletrical Parameters	Electro-optical Efficiency	PE	%		48	
	Threshold Current	Ith	A		0.9	
	Working Current	Iop	A		12	13
	Working Electric Pressure	Vop	V		1.6	2
	Slope Efficiency		W/A		0.8	
Fiber Parameters	Fiber Core Diameter	Dcore	um		105	
	Cladding Diameter	Dclad	um		125	
	Coating Diameter	Dcoating	um		250	
	Numerical Aperture	NA			0.22	
	Optical Fiber Length	Lf	m		1	
	Optcial Fiber Sheath		mm		0.9	
	Bending Radius		mm	60		

	Fiber Optic Connector					
Reverse Parameters	Anti-reflection band		nm		1040-1200	
	Anti-reverse isolation		dB		30	
Other Parameters	ESD		Vesd	V		500
	Storage Temperature		Tst	℃	-20	70
	Storage Temperature		Tls	℃		260
	Welding Time		t	sec		10
	Working Tempertaure		Top	℃	25	30
	Relative Humidity		RH	%	15	75

Remarks:

(1) All data are tested under the condition of output power 9W@25℃;

(2) Non-standard products with other optical fiber lengths and sheath types can be customized according to customer needs;

(3) Other non-standard products of anti-reverse bands can be customized according to customer needs;

(4) Please store and use under non-condensation conditions; storage temperature -20 to +70 ℃, ambient humidity 15 to 75% (5) Working temperature refers to the temperature of the bottom plate, and the acceptable temperature range is 25℃~30℃, but the performance may be slightly different at different temperatures.