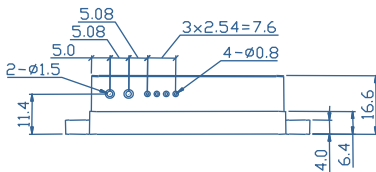


Model	M976±0.5-140-F105/22-DK			
Optical Parameters	Unit	Min	Typical	Max
Output Power (exit fiber)	W	135	140	
Central Wavelength	nm		976	
Wavelength Tolerance	nm		± 1.0	
Spectral Width (FWHM)	nm		≤ 1.0	
Wavelength Temp. Coefficient	nm/°C		0.02	
Wavelength Current Coefficient	nm/A		0.05	
Fiber Parameters				
Fiber Core Diameter	μm	102	105	108
Fiber Cladding Diameter	μm	122	125	128
Numerical Aperture		0.20	0.22	0.24
Bare Fiber Length	m		1 or 2	
Electric Parameters				
Threshold Current	A		0.5	
Operating Current	A		10.5	11.0
Operating Voltage	V		29.0	30.0
Slope Efficiency	W/A		14.5	
Power Conversion Efficiency	%	42	45	
Back Reflection Protection				
Wavelength Range	nm		1030 – 1100	
Attenuation	dB		>40	
Other Parameters				
Operating Temperature (Thermistor)	°C		25 – 35	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	
Soldering Temperature	°C		250 (10s)	



Pin	Function
1	Laser diode anode
2	Laser diode cathode
3	Photo diode (N)
4	Photo diode (P)
5	Thermistor
6	Thermistor

