

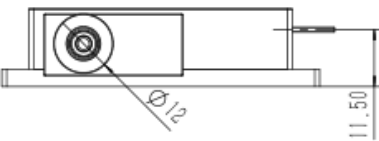
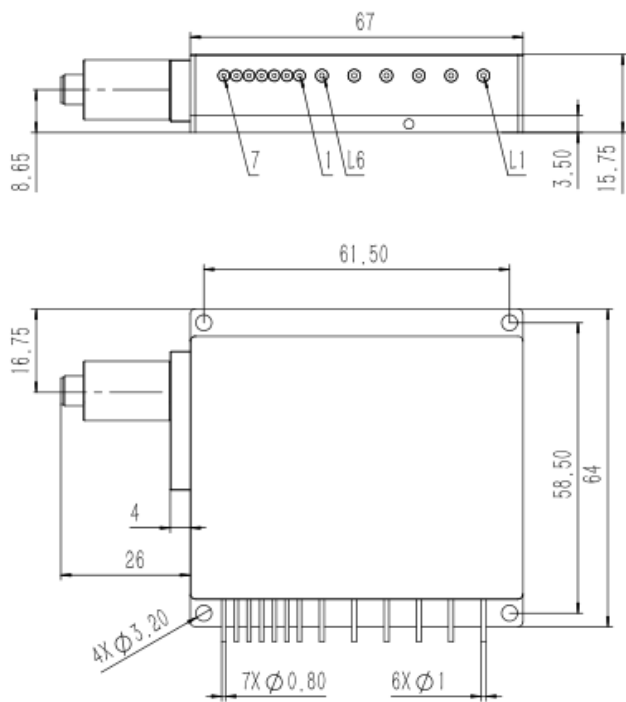
Item Number: 8809-0025**Item Description: 976nm, 70W, 200µm detachable fiber-coupled module**

	Unit	Min	Typical	Max
Optical				
Nominal CW Output Power	W	70.0	-	-
Wavelength	nm	966	976	986
Spectral Width (FWHM)	nm	-	4.0	-
Wavelength Temperature Coefficient	nm/°C	-	0.3	-
Slope Efficiency	W/A	-	6.5	-
Power Conversion Efficiency	%	-	50	-
Electrical				
Operating Current	A	-	11	12
Threshold Current	A	-	0.6	0.8
Maximum Operating Voltage	V	-	12	14
Maximum Reverse Voltage	V		14	
Fiber data				
Fiber Cladding Diameter	μm		220	
Fiber Core Diameter	μm		200	
Fiber NA	-		0.22	
Fiber connector on module (detachable)	-		SMA	
Fiber Bend Radius	mm	66	-	-
Mechanical, sensor and integration				
Housing Dimension			See Drawing	
Lead Soldering Temp			260°C for < 5 seconds	
Temperature sensor (built-in NTC Thermistor)	KΩ		10±3% @25 °C (β:3950)	
Environmental				
ESD	V	-	-	500
Operating Housing Temperature Range	°C	15	25	35
Operating Humidity	%	15		75
Storage Temperature Range	° C	-20		70

Notes

1. Specified performance to be tested at 25C module base temperature
2. Non-condensing operating environment required

Outline Dimensions and Pin-out



Pin#	Assignment	Pin#	Assignment
L1	LD “-”	1	Thermistor
L2	/	2	Thermistor
L3	/	3	/
L4	/	4	/
L5	/	5	/
L6	LD “+”	6	/
		7	/

