

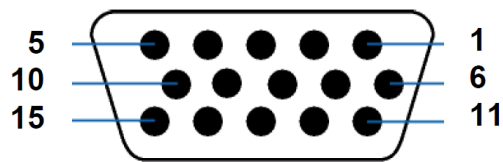
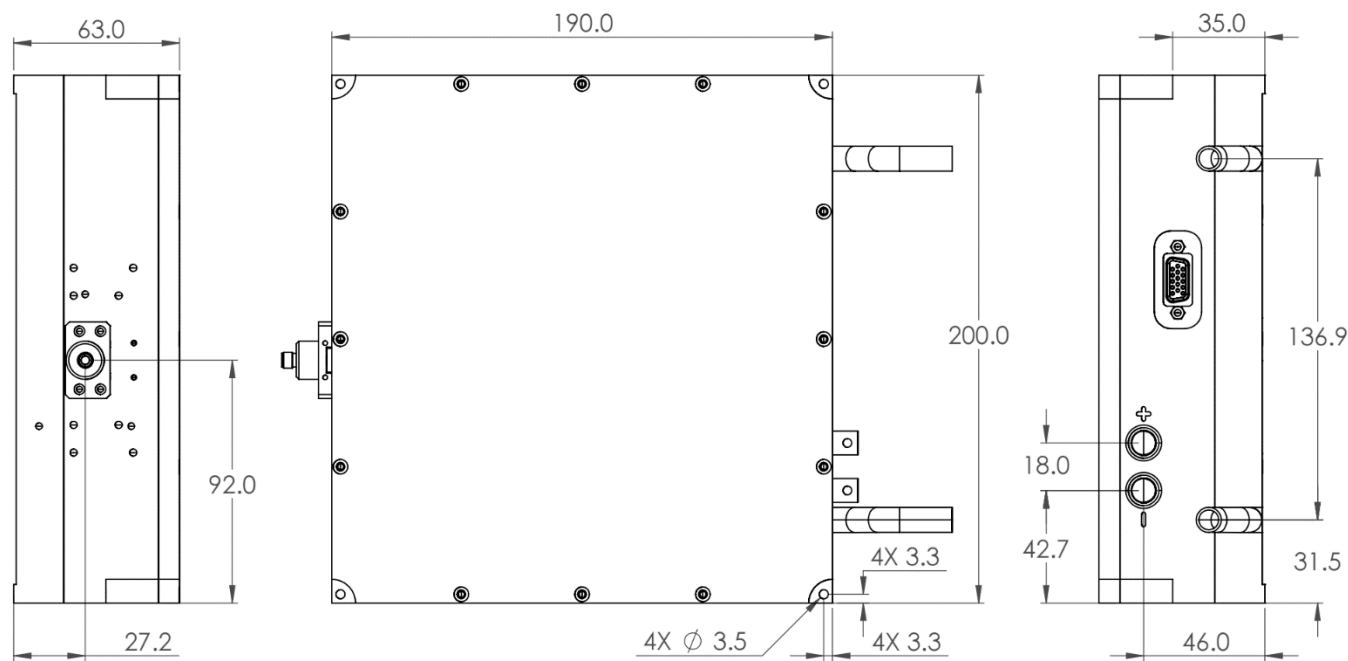
Item Number: 6419-0004**Item Description: 1927nm 50W, 600µm fiber-coupled module**

Parameter	Units	Minimum	Typical	Maximum
Optical				
CW Output Power from Fiber	W	50		
Center Wavelength	nm	1907	1927	1947
Spectral Width (FWHM)	nm			20
Fiber Core Diameter	µm		600	
Fiber NA	-		0.22	
Temperature tuning coefficient	nm/°C		0.9	
Electrical (FCA)				
Operating Current (I _{OP})	A		45	50
Operating Voltage (V _{OP})	V		9.0	10.0
E-O conversion efficiency	%		12.5%	
Thermal				
Operating Temperature	°C	20	25	30
Storage Temperature	°C	-20		70
Mechanical				
Module dimensions	mm		200 x 190 x 62	
Fiber Input connector	-		HP-SMA 905	
Thermistor				
Type	-		NTC	
Resistance at 25°C	KΩ		10	
Optional Aiming Beam				
Wavelength	nm	625	635	645
Optical power	mW	1.0	2.0	4.0
Optional Monitoring Photo Diode				
Output signal at full power	µA	50		250
Control signal				
Interfacing	DB-15 connector at module back wall			

Notes

1. Performance data is verified at 25C module base plate temperature
2. Non-condensing operating environment required
3. Other options (such as blast shield, fiber detection sensor, etc.) are available upon request

Ultra-500 Module Dimensions
All units are in mm



Pin number	Assignment
1	Thermistor
2	Thermistor
3	Not used
4	Not used
5	Monitor Photodiode +
6	Monitor Photodiode -
7	Not used
8	Not used
9	Not used
10	Not used
11	Not used
12	Not used
13	Not used
14	Aiming beam +5V DC
15	Aiming beam ground

