

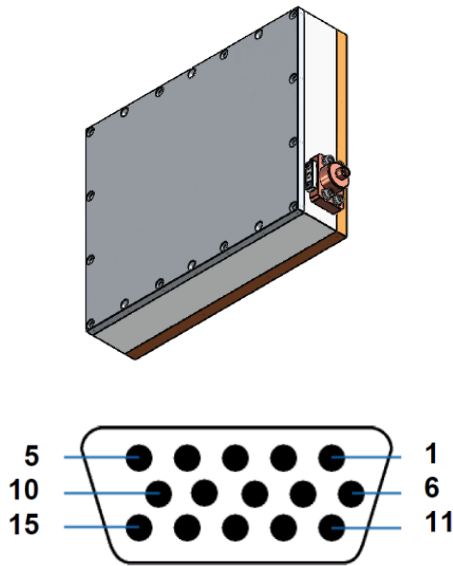
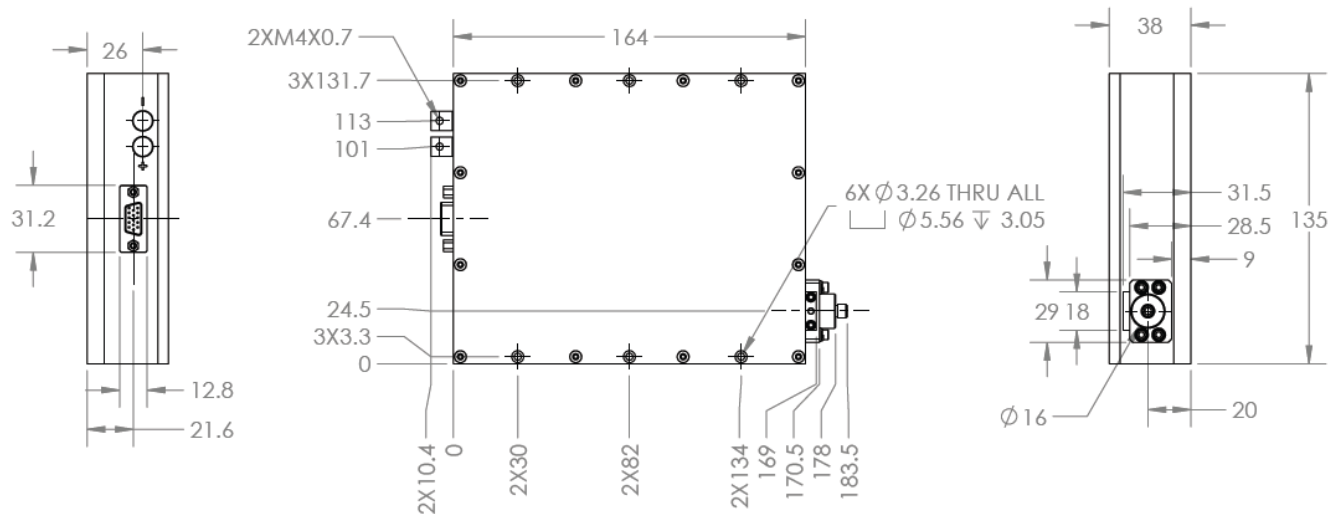
Item Number: 7719-0003**Item Description: 1927nm, 20W, 200um fiber-coupled module**

Parameter	Units	Minimum	Typical	Maximum
Optical				
CW Output Power from Fiber	W	20	-	-
Center Wavelength	nm	1907	1927	1947
Spectral Width (FWHM)	nm	-	16	20
Fiber Core Diameter	µm	-	200	-
Fiber NA	-	0.20	0.22	0.24
Temperature tuning coefficient	nm/°C	-	0.9	-
Electrical (FCA)				
Operating Current (I _{OP})	A	-	40	42
Operating Voltage (V _{OP})	V	-	4.5	5.2
E-O conversion efficiency	-		11%	
Thermal				
Operating Temperature	°C	20	25	30
Storage Temperature	°C	-20		70
Mechanical				
Module dimensions	mm		164 x 135 x 38	
Fiber length	m		2	
Fiber Input connector	-		HP-SMA 905	
Thermistor				
Type	-		NTC	
Resistance at 25°C	KΩ		10	
Optional Aiming Beam				
Wavelength	nm			635 +/- 10
Optical power	mW			>=1.0
Optional Monitoring Photo Diode				
Output signal at full power	µA	50		250
Control signal				
Interfacing	DB-15 connector at module back wall			

Notes

1. Specified performance to be tested at 25C module base temperature
2. Non-condensing operating environment required
3. Other options (blast shield, fiber detection sensors, etc.) are available upon request

Ultra-200 Module Outline Drawing
(All units are in millimeter)



Pin number	Assignment (options included)
1	Thermistor
2	Thermistor
3	Fiber sensor output signal "+"
4	+5V DC to fiber sensor
5	Monitor Photodiode +
6	Monitor Photodiode -
7	Not used
8	Not used
9	Not used
10	TTL "+" for aiming beam modulation
11	Not used
12	Not used
13	Not used
14	+5V DC to Aiming Beam
15	Common Ground (Fiber sensor & aiming beam)

