

AIR COOLED DIRECT DIODE LASER SYSTEM

PRODUCT SPECIFICATIONS

Model Number PE2000-AC ECCN: EAR99 ¹
 Description SS-200-1940-2-200-5-D80-RA2

	Units	Lower Spec	Typical	Upper Spec
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Optical

CW Output Power (in fiber)	W		200	
Wavelength Centroid	nm	1938	1940	1942
Spectral Width (FWHM)	nm			20
Power Stability	%			2.5
Fiber Core	μm		200	
Fiber NA / Index Type	-		0.12 NA / Step Index	
Back Reflection Isolation	nm	1040	>99.5%	1200
Pilot Laser	-		640nm <5mW	

Electrical

Electrical-to-Optical Efficiency	%	20	25	
Max Modulation	kHz			1.0
Rise / Fall Time	μs		100 / 100	
Supply Voltage	VAC		200-240	
Power Consumption	W		1000	
External Interface	-		LAN / USB / DB25 Analog / Facility Interlock	

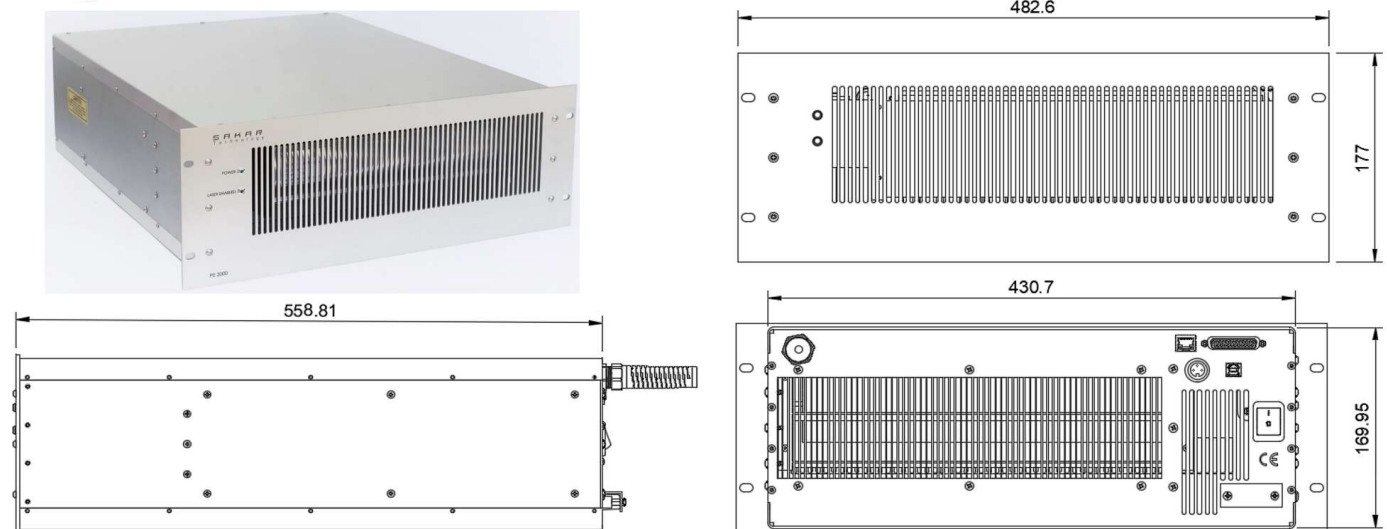
Mechanical

Mass ³	kg		35	
Fiber Length	m	4.9	5	5.1
Fiber Bend Radius (Active / Storage)	mm		30 / 25	
Fiber Jacketing	-		PVC Coated Stainless Steel Monocoil	
Fiber Termination	-		D80	

Thermal

Cooling Method	-		Forced Air Cooled	
Ambient Air Temperature	°C	10		30
Storage Temperature	°C	-20		+50

Outline Drawing



Notes

¹Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR)

²Operating temperature defined by the ambient temperature.

³Does not include mass of fiber



This Product does NOT comply with IEC 60825-1 or 21CFR1040.10/21CFR1040.11 and is to be integrated into a final system that meets with the safety regulation of the end customers respective country. It is the integrators responsibility to insure compliance before being sold to the final user.

