
C5 シリーズコントローラ

C5 series Controller

Ver.2.0

December 11, 2017

Seikoh Giken Co., Ltd.

1.適用 Scope

本仕様書はC5シリーズコントローラに適用する。

This specification applies to C5 series Controller.

2.型名 Product code

Table 1

Product code	Remarks	
C5-D1-A	low noise type	Frequency range : 0.1 to 10,000MHz
C5-A1-A	high stability type	

3.付属品 Accessories

Table 2

Item	Quantity	Remark
AC power cable	1	For controller(L=2.0m)
Rack mounting bracket	1	—

4.環境条件 Standard operating conditions

Table 3

Item	Specification				Remarks
	Min.	Typ.	Max.	Unit	
Operating temperature range	0		40	°C	—
Operating humidity range	45		90	%RH	—
Storage temperature range	-20		60	°C	—
SET-up location	Indoor use only				—
Warm up time	Over 1hr				—

Note : Refrain from dew condensation

5. 定格 Rating

Table 4

Item	Specification				Remark
	Min.	Typ.	Max.	Unit	
◆Part of light source					
Laser type	D type	DFB-LD (Double polarization)			
	A type	ASE-LD			
Wavelength	D type		1550	nm	—
	A type	1530	1560		>-10dBm/nm
Output port	3 ports				
Port select	Automatic				LAN control
	Manual				Panel switch
◆Part of O/E					
Frequency range	0.1		10,000	MHz	—
Output impedance	50			Ω	—
Wavelength	1280		1580	nm	—
Optical input level			6	dBm	—
Responsivity	0.65	0.80		A/W	—
Opt. alarm(Input level)		-14		dBm	Normal : Green(LED) Abnormal : Red(LED)
◆Others					
Laser safety	Automatic LD shut down				The "Opt Alarm" indicator illuminates green during normal operating conditions. If the system detects a bad fiber connection, the Optical Alarm will display as red and the laser source will shut down until the connection is properly made or the connector is properly cleaned.
Input AC voltage	90		250	V	75W max
Weight			9	kg	—
RF output connector	N/J				—
Optical I/O connector	SC/APC				—
External joining terminal	RJ-45(LAN)				10BASE-T/100BASE-TX
Optical monitor terminal (EDFA IN)	BNC/J				—
Optical monitor terminal (PD IN)	BNC/J				—
AC Power connector	AC inlet				—

6.性能 Performance

Table 5

Item	Specification				Remark
	Min.	Typ.	Max.	Unit	
Optical output level	12		14	dBm	—
Wavelength	D type	1545	1555	nm	—
	A type	1530	1560		>-10dBm/nm
Output return loss	7			dB	—
Gain (Output/Input)	-4			dB	Combination evaluation with the standard machine.
Gain deviation			10	dBp-p	

7.外観図 External

付図: SOEFS-E025-01による。

The controller is shown in Fig.SOEFS-E025-01.

8.検査 Inspection

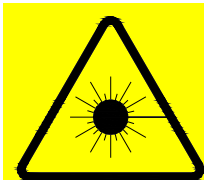
別途打ち合わせによる。

To be discussed.

9.セーフティーインフォメーション Safety information

本製品は不可視レーザー光を使用しておりますので、誤ってレーザー光を目に入れますと失明する危険性があります。直接レーザー光を見ないようにして下さい。

This product uses a laser light that is not visible to the human eye, but can cause serious injuries or permanent loss of vision. Please exercise proper caution and do not look directly into the laser light as it may cause blindness.



Class 1 Laser System (Embedded Class 3R Laser)

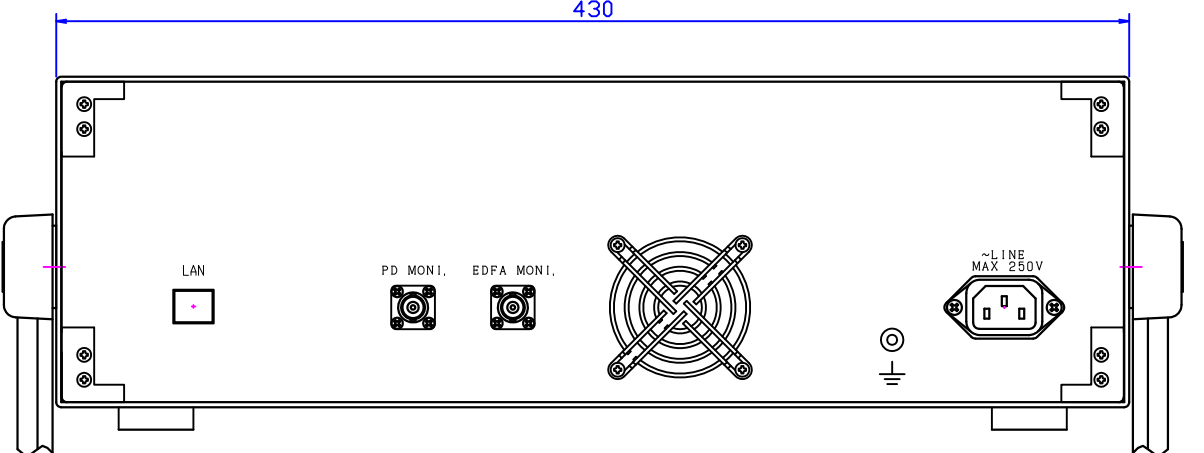
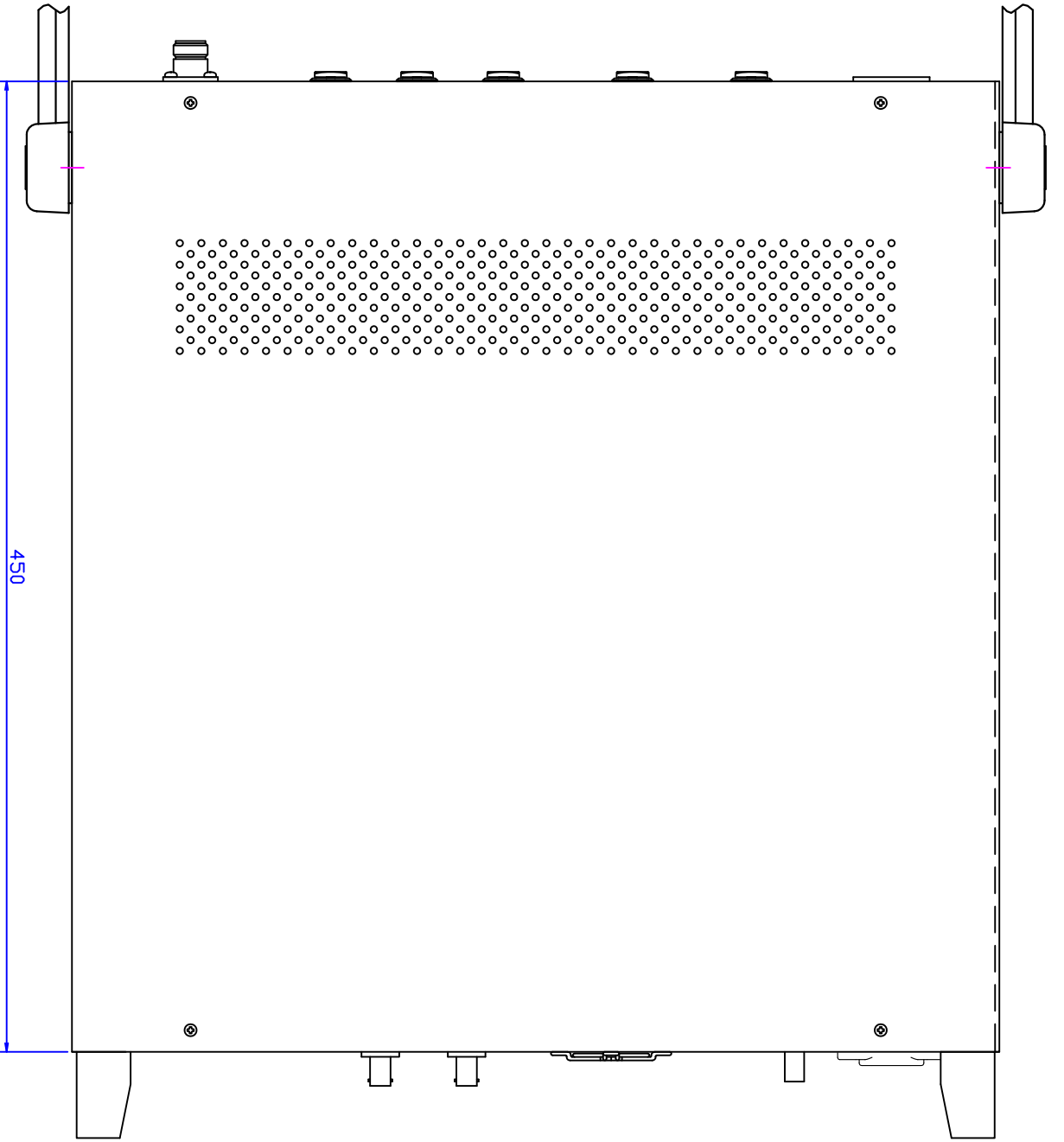
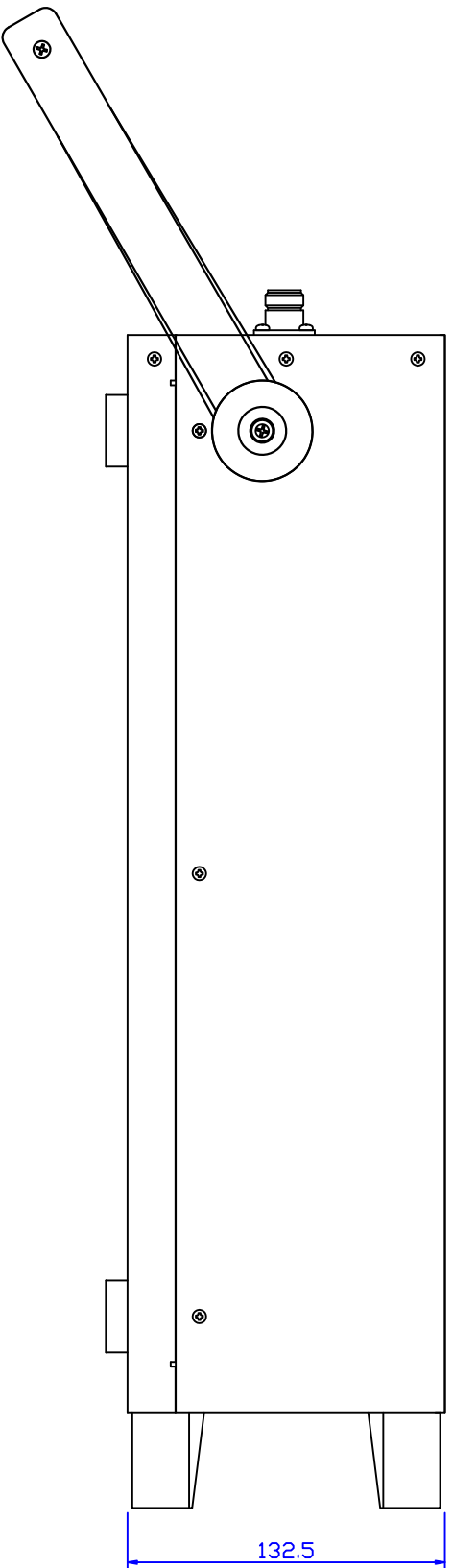
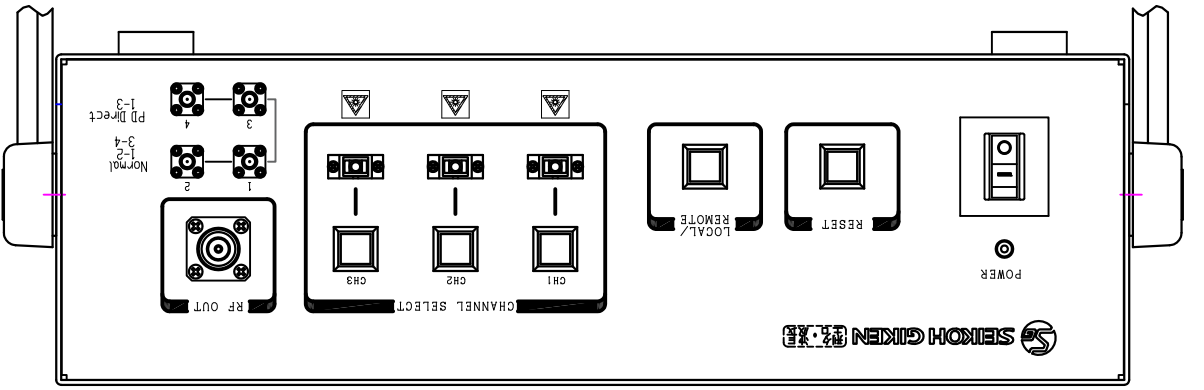
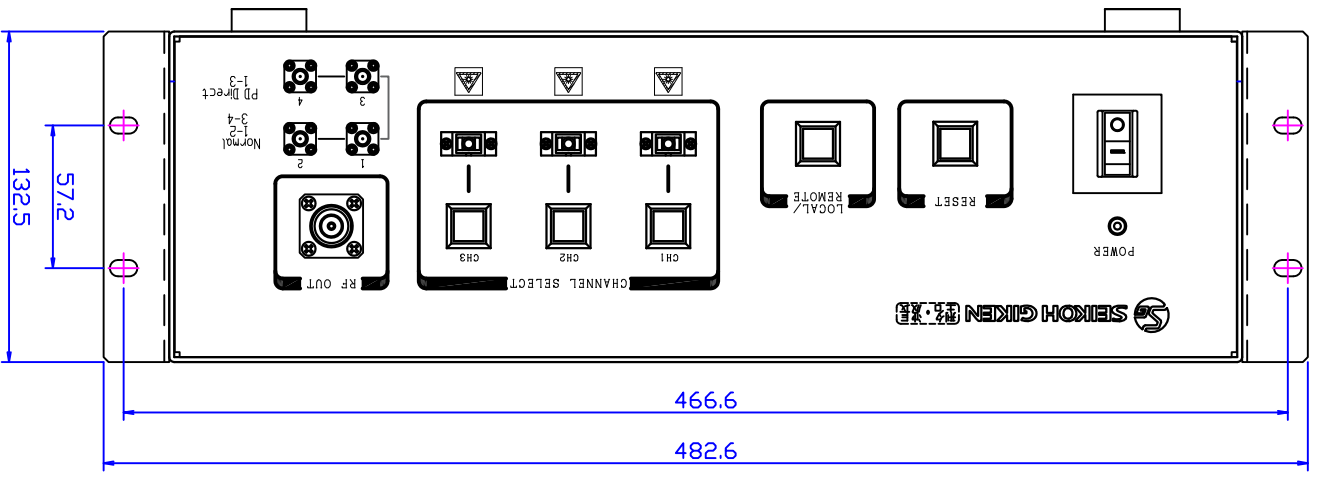
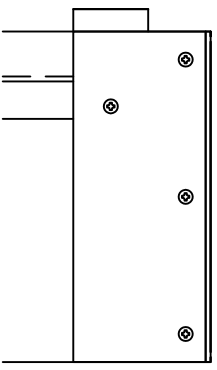
INVISIBLE LASER RADIATION

1550nm 20mW Interlocked

10.保証 Warranty

本製品に関し、構成部品の故障や製造上の欠陥に対して納入日から1年間無償修理保証致します。但し、本保証は製品の正常な使用において発生した故障のみに適用致します。

SEIKOH GIKEN warrants the Controllers against defects in parts and workmanship for one full year from B/L date. This warranty shall be invalid by any abuse, misuse, misapplication or improper installation.



DATE	DESIGN CHANGE	DATE	17.06.14	TITLE	CS Series Controller UNIT External
17.12.1	Modify	Rev.	2.0	DWG.No.	
	TITLE	UNIT	[mm]	SDEFS-E025-01	
		SCALE	FREE		
		APPD.	T.Toba		
		CHECKD	Y.Yamauchi		
		DRAWN	J.Ichijoh		

