Test Data

PCSF-200P-X2S

(AC85～264V)

DC POWER SUPPLY

Approved by : K. Imai

Prepared by : K. Yamada

INPUT : AC 85V ～ 264V

OUTPUT :

V1:	5V	10A	
V2:	3.3V	6A	
V3:	12V	6A	(Peak 10A)
V4:	-12V	0.3A	
V5:	5Vs	1A	(Peak 1.5A)

株式会社 ニプロン

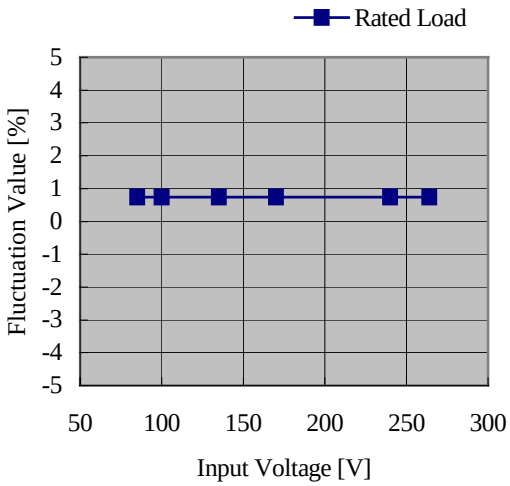
Nipron.Co.,Ltd.

CONTENTS

Model	PCSF-200P-X2S
Item	Line Regulation

V1：5V 10A

at AC Input

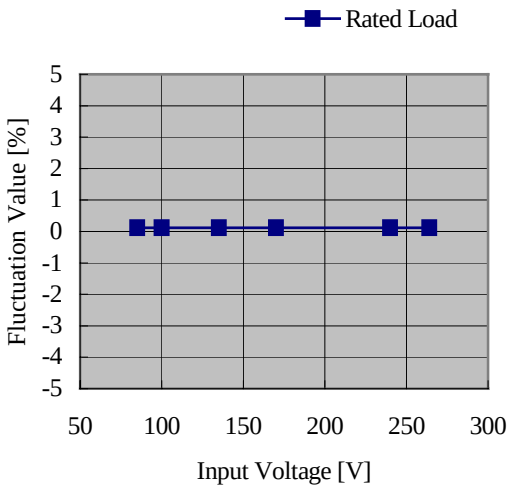


at AC Input

Input Voltage [V]	Output Voltage [V]	Fluctuation Value [%]
AC 85	5.037	0.74
100	5.037	0.74
240	5.037	0.74
264	5.037	0.74

V2：3.3V 6A

at AC Input



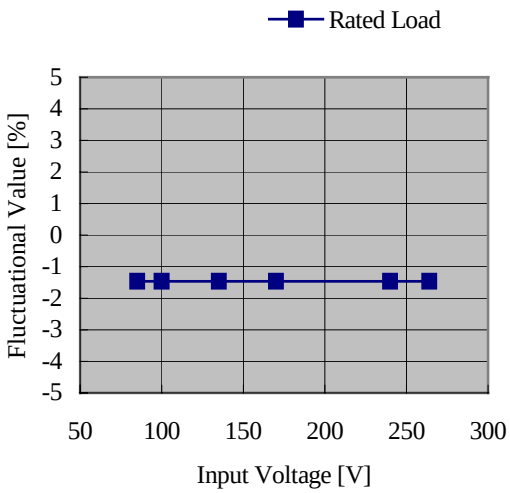
at AC Input

Input Voltage [V]	Output Voltage [V]	Fluctuation Value [%]
AC 85	3.304	0.12
100	3.304	0.12
240	3.304	0.12
264	3.304	0.12

Model	PCSF-200P-X2S
Item	Line Regulation

V3：12V 6A

at AC Input

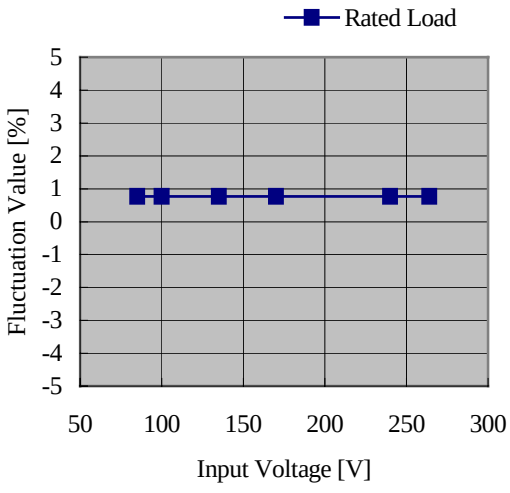


at AC Input

Input Voltage [V]	Output Voltage [V]	Fluctuation Value [%]
AC 85	11.825	-1.46
100	11.825	-1.46
240	11.825	-1.46
264	11.825	-1.46

V4：-12V 0.3A

at AC Input



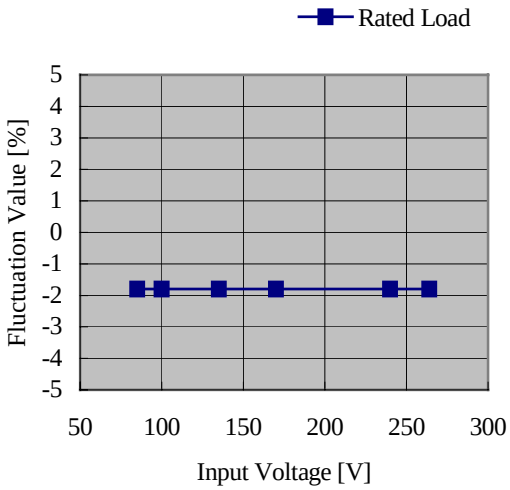
at AC Input

Input Voltage [V]	Output Voltage [V]	Fluctuation Value [%]
AC 85	-12.092	0.77
100	-12.092	0.77
240	-12.092	0.77
264	-12.092	0.77

Model	PCSF-200P-X2S
Item	Line Regulation

V5：5Vs 1A

at AC Input

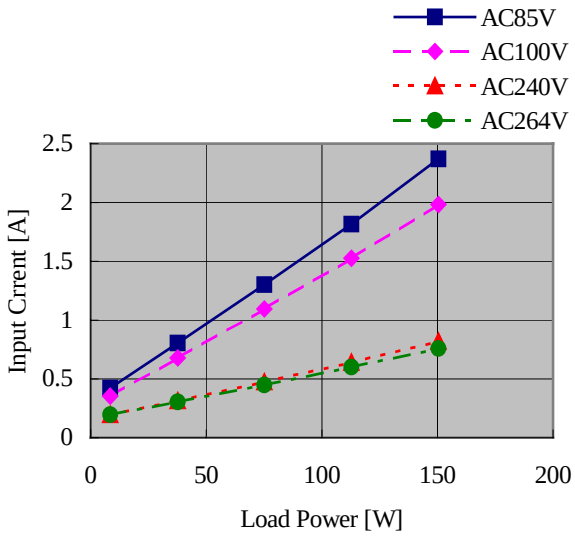


at AC Input

Input Voltage [V]	Output Voltage [V]	Fluctuation Value [%]
AC 85	4.910	-1.80
100	4.910	-1.80
240	4.910	-1.80
264	4.910	-1.80

Model	PCSF-200P-X2S
Item	Input Current (by Load Power)

at AC Input

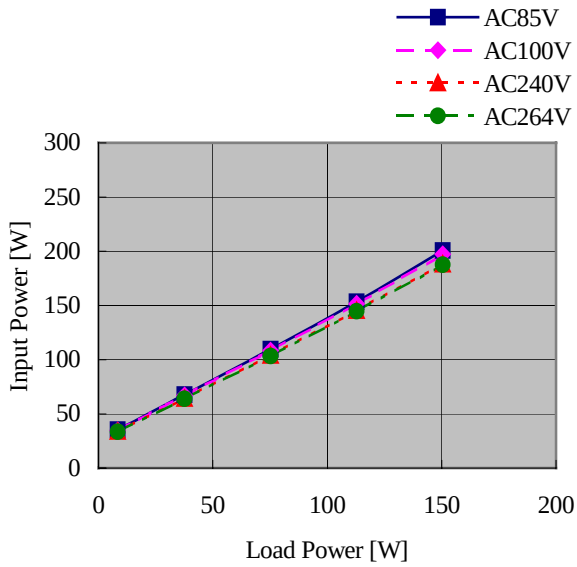


at AC Input

Load Power [W]	Input Current [A rms]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	0.42	0.35	0.19	0.20
37.6	0.81	0.68	0.31	0.30
75.2	1.30	1.09	0.47	0.45
112.8	1.82	1.53	0.64	0.60
150.4	2.37	1.98	0.82	0.76

Model	PCSF-200P-X2S
Item	Input Power (by Load Power)

at AC Input

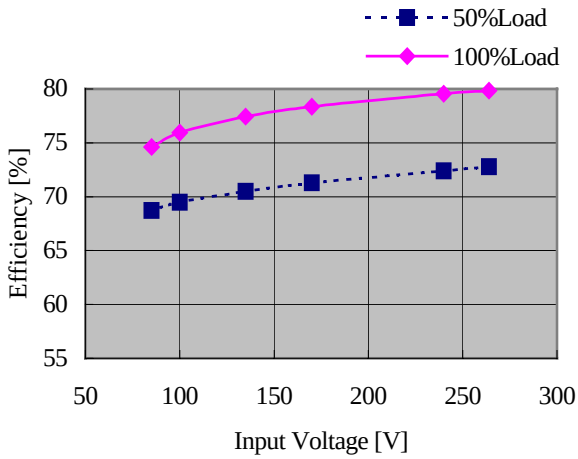


at AC Input

Load Power [W]	Input Power [W]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	35.37	34.76	33.78	33.48
37.6	67.80	66.98	64.24	63.95
75.2	109.68	108.47	104.10	103.54
112.8	153.27	151.61	145.24	144.68
150.4	200.57	197.13	188.12	187.45

Model	PCSF-200P-X2S
Item	Efficiency

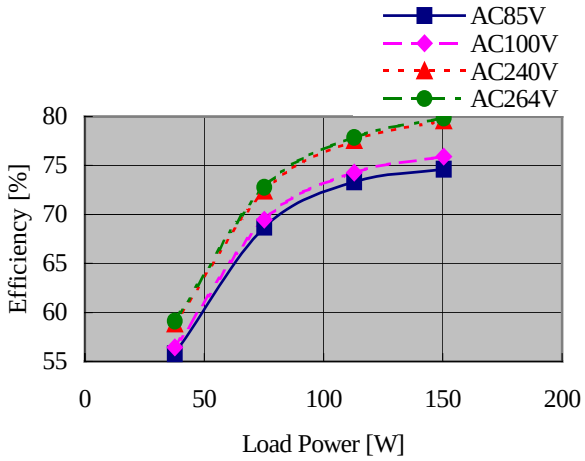
at AC Input



at AC Input

Input Voltage [V]	Efficiency [%]	
	50% Load	100% Load
85	68.71	74.63
100	69.47	75.93
240	72.39	79.57
264	72.78	79.85

at AC Input

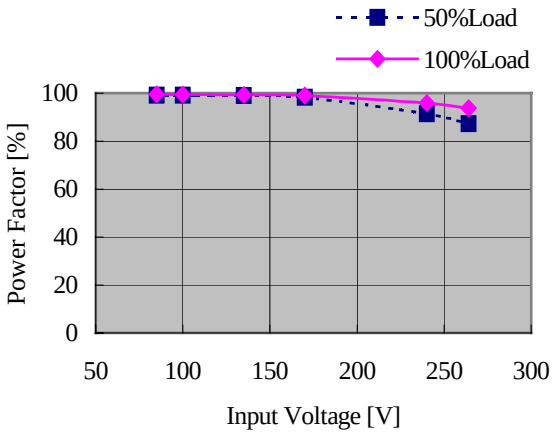


at AC Input

Load Power [W]	Efficiency [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
37.6	55.75	56.43	58.84	59.11
75.2	68.71	69.47	72.39	72.78
112.8	73.34	74.29	77.56	77.87
150.4	74.63	75.93	79.57	79.85

Model	PCSF-200P-X2S
Item	Power Factor

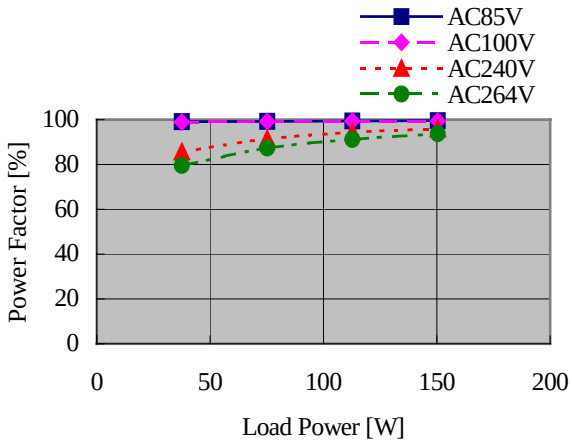
at AC Input



at AC Input

Input Voltage [V]	Power Factor [%]	
	50%Load	100% Load
85	99.20	99.53
100	99.19	99.39
240	91.47	95.86
264	87.27	93.71

at AC Input

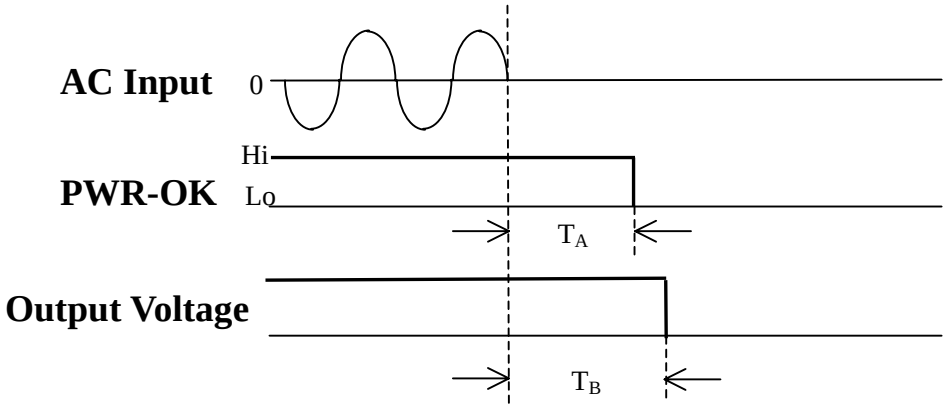


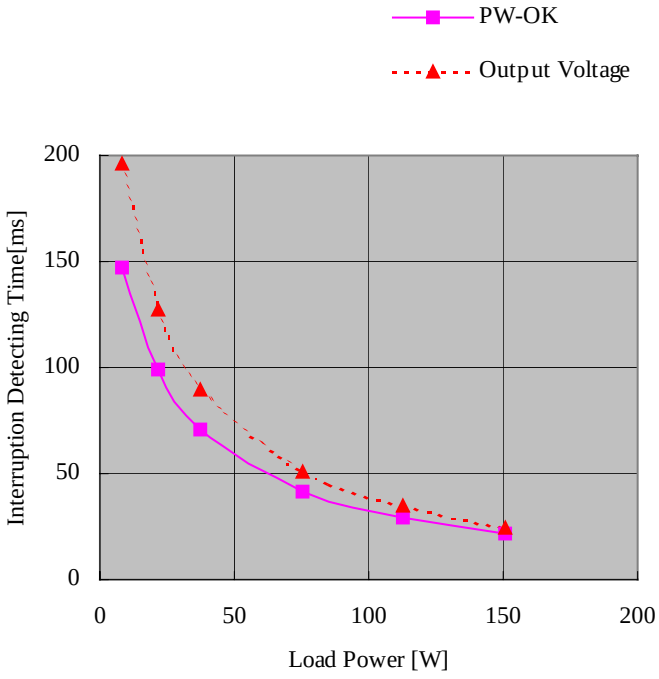
at AC Input

Load Power [W]	Power Factor [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
37.6	99.03	98.89	85.63	79.55
75.2	99.20	99.19	91.47	87.27
112.8	99.45	99.38	94.28	91.16
150.4	99.53	99.39	95.86	93.71

Model	PCSF-200P-X2S	
Item	Instantaneous Interruption Compensation (by Load Power)	

at AC Input (85V / 100V / 240V / 264V)



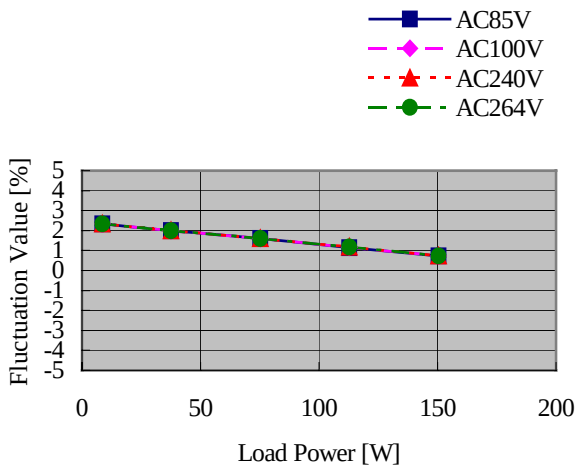


Load Power [W]	Interruption Detecting Time (ms)	
	PWR-OK T_A	DC Output T_B
8.49	146.80	196.20
21.4	98.88	127.42
37.6	70.79	89.35
75.2	41.87	51.40
112.8	28.92	34.90
150.4	21.61	24.23

Model	PCSF-200P-X2S
Item	Load Regulation

V1：5V 10A

at AC Input



at AC Input

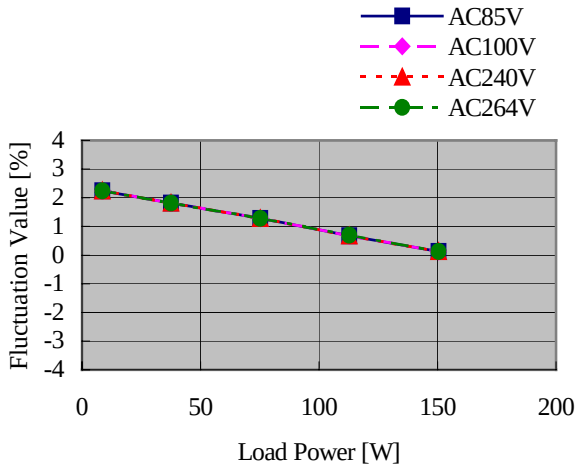
Load Power [W]	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	2.34	2.34	2.34	2.34
37.6	2.00	2.00	2.00	2.00
75.2	1.60	1.60	1.60	1.60
112.8	1.14	1.14	1.14	1.14
150.4	0.74	0.74	0.74	0.74

Load Condition

Load Power [W]	Load Current [A]				
	5V	3.3V	12V	-12V	5Vs
8.49	0.3	0.3	0.5	0	0
37.6	2.5	1.5	1.5	0.08	0.25
75.2	5	3	3	0.15	0.5
112.8	7.5	4.5	4.5	0.23	0.75
150.4	10	6	6	0.3	1

V2：3.3V 6A

at AC Input



at AC Input

Load Power [W]	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	2.24	2.24	2.24	2.24
37.6	1.82	1.82	1.82	1.82
75.2	1.27	1.27	1.27	1.27
112.8	0.67	0.67	0.67	0.67
150.4	0.12	0.12	0.12	0.12

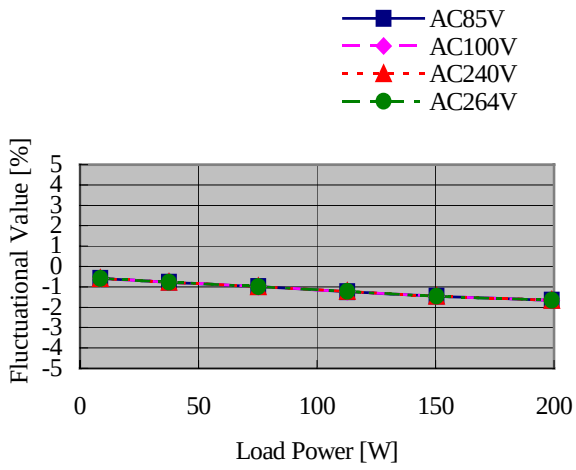
Load Condition

Load Power [W]	Load Current [A]				
	5V	3.3V	12V	-12V	5Vs
8.49	0.3	0.3	0.5	0	0
37.6	2.5	1.5	1.5	0.08	0.25
75.2	5	3	3	0.15	0.5
112.8	7.5	4.5	4.5	0.23	0.75
150.4	10	6	6	0.3	1

Model	PCSF-200P-X2S
Item	Load Regulation

V3:12V 6A

at AC Input



at AC Input

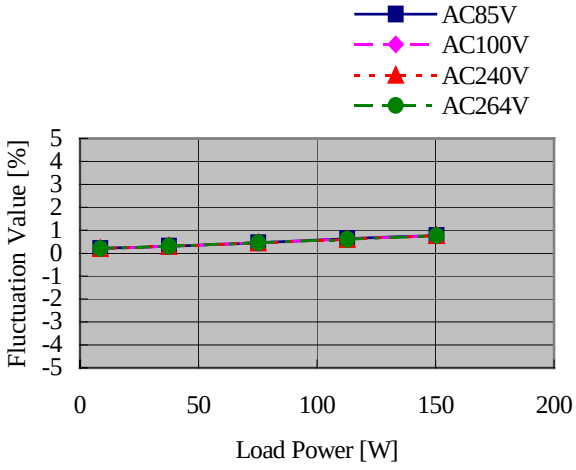
Load Power [W]	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	-0.59	-0.59	-0.59	-0.59
37.6	-0.77	-0.77	-0.77	-0.77
75.2	-0.98	-0.98	-0.98	-0.98
112.8	-1.24	-1.24	-1.24	-1.24
150.4	-1.46	-1.46	-1.46	-1.46
199.07	-1.65	-1.65	-1.65	-1.65

Load Condition

Load Power [W]	Load Current [A]				
	5V	3.3V	12V	-12V	5Vs
8.49	0.3	0.3	0.5	0	0
37.6	2.5	1.5	1.5	0.08	0.25
75.2	5	3	3	0.15	0.5
112.8	7.5	4.5	4.5	0.23	0.75
150.4	10	6	6	0.3	1
199.07	9.7	5.9	10	0.3	1.5

V4:-12V 0.3A

at AC Input



at AC Input

Load Power [W]	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	0.20	0.20	0.20	0.20
37.6	0.31	0.31	0.31	0.31
75.2	0.46	0.46	0.46	0.46
112.8	0.62	0.62	0.62	0.62
150.4	0.77	0.77	0.77	0.77

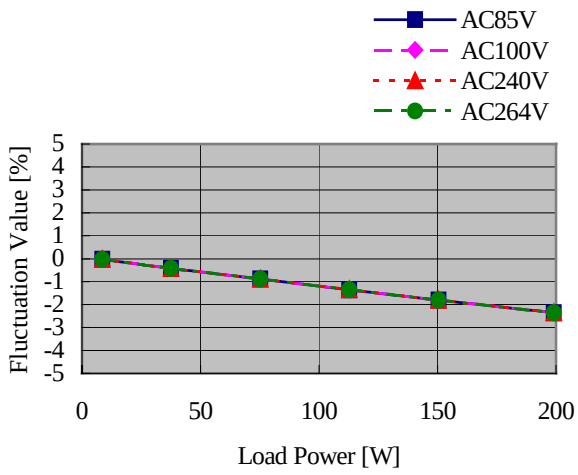
Load Condition

Load Power [W]	Load Current [A]				
	5V	3.3V	12V	-12V	5Vs
8.49	0.3	0.3	0.5	0	0
37.6	2.5	1.5	1.5	0.08	0.25
75.2	5	3	3	0.15	0.5
112.8	7.5	4.5	4.5	0.23	0.75
150.4	10	6	6	0.3	1

Model	PCSF-200P-X2S
Item	Load Regulation

V5：5Vs 1A

at AC Input



at AC Input

Load Power [W]	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
8.49	-0.02	-0.02	-0.02	-0.02
37.6	-0.42	-0.42	-0.42	-0.42
75.2	-0.88	-0.88	-0.88	-0.88
112.8	-1.36	-1.36	-1.36	-1.36
150.4	-1.80	-1.80	-1.80	-1.80
199.07	-2.36	-2.36	-2.36	-2.36

Load Condition

Load Power [W]	Load Current [A]				
	5V	3.3V	12V	-12V	5Vs
8.49	0.3	0.3	0.5	0	0
37.6	2.5	1.5	1.5	0.08	0.25
75.2	5	3	3	0.15	0.5
112.8	7.5	4.5	4.5	0.23	0.75
150.4	10	6	6	0.3	1
199.07	9.7	5.9	10	0.3	1.5

Model	PCSF-200P-X2S	
Item	Ripple / Noise Voltage Test	

Load：Rated Load

		V1		5V	V2		3.3V	V3		12V
Temperature	Input Voltage	Ripple (mV)	/	Noise (mV)	Ripple (mV)	/	Noise (mV)	Ripple (mV)	/	Noise (mV)
-5℃	85 V	12	/	28	16	/	32	40	/	56
	100 V	12	/	28	16	/	32	40	/	56
	240 V	12	/	28	16	/	32	40	/	56
	264 V	12	/	28	16	/	32	40	/	56
25℃	85 V	8	/	24	16	/	32	30	/	42
	100 V	8	/	24	16	/	32	30	/	42
	240 V	8	/	24	16	/	32	30	/	42
	264 V	8	/	24	16	/	32	30	/	42
45℃	85 V	8	/	24	14	/	30	30	/	40
	100 V	8	/	24	14	/	30	30	/	40
	240 V	8	/	24	14	/	30	30	/	40
	264 V	8	/	24	14	/	30	30	/	40
55℃	85 V	8	/	26	12	/	34	30	/	38
	100 V	8	/	26	12	/	34	30	/	38
	240 V	8	/	26	12	/	32	30	/	38
	264 V	8	/	26	12	/	32	30	/	38
65℃	85 V	6	/	22	12	/	26	27	/	36
	100 V	6	/	22	12	/	26	27	/	36
	240 V	6	/	20	12	/	26	27	/	36
	264 V	6	/	20	12	/	26	27	/	36
Specification		50	/	100	50	/	100	100	/	120
Judgment		Good			Good			Good		

		V4		-12V	V5		5VS
Temperature	Input Voltage	Ripple (mV)	/	Noise (mV)	Ripple (mV)	/	Noise (mV)
-5℃	85 V	12	/	26	22	/	36
	100 V	12	/	26	22	/	36
	240 V	12	/	26	22	/	36
	264 V	12	/	26	22	/	36
25℃	85 V	10	/	24	10	/	20
	100 V	10	/	24	10	/	20
	240 V	10	/	24	12	/	20
	264 V	10	/	24	12	/	20
45℃	85 V	10	/	22	10	/	18
	100 V	10	/	22	10	/	18
	240 V	10	/	22	10	/	18
	264 V	10	/	22	10	/	18
55℃	85 V	10	/	24	10	/	16
	100 V	10	/	24	10	/	16
	240 V	10	/	24	10	/	16
	264 V	10	/	24	10	/	16
65℃	85 V	10	/	20	8	/	16
	100 V	10	/	20	8	/	16
	240 V	10	/	20	8	/	16
	264 V	10	/	20	8	/	16
Specification		50	/	100	50	/	100
Judgment		Good			Good		

Model	PCSF-200P-X2S	
Item	Over-Current Protection	

Temperature	Input Voltage	CH1 5V	CH2 3.3V	CH3 12V
-5℃	85 V	19.1 A	22.5 A	13.4 A
	100 V	19.2 A	22.6 A	13.4 A
	240 V	19.3 A	22.7 A	13.7 A
	264 V	19.4 A	22.8 A	13.7 A
25℃	85 V	18.7 A	21.6 A	13.3 A
	100 V	18.7 A	21.8 A	13.3 A
	240 V	18.8 A	22.0 A	13.6 A
	264 V	18.8 A	22.1 A	13.7 A
45℃	85 V	18.2 A	21.2 A	12.8 A
	100 V	18.2 A	21.3 A	13.0 A
	240 V	18.3 A	21.5 A	13.3 A
	264 V	18.3 A	21.6 A	13.4 A
55℃	85 V	17.4 A	20.6 A	12.5 A
	100 V	17.4 A	20.7 A	12.6 A
	240 V	17.6 A	20.8 A	12.8 A
	264 V	17.6 A	20.9 A	12.8 A
65℃	85 V	16.8 A	20.2 A	12.2 A
	100 V	16.9 A	20.3 A	12.2 A
	240 V	17.1 A	20.5 A	12.5 A
	264 V	17.1 A	20.5 A	12.5 A
Specification		13.2A or More	17.6A or More	11A or More
Judgment		Good	Good	Good

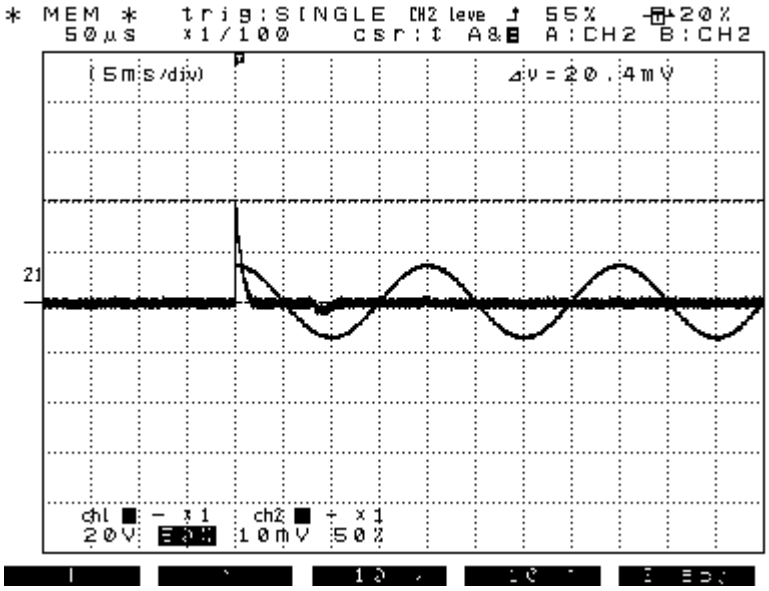
温度	入力 電圧	CH4 -12V	CH5 5VS
-5℃	85 V	1.00 A	3.90 A
	100 V	1.00 A	3.90 A
	240 V	1.00 A	3.90 A
	264 V	1.00 A	3.90 A
25℃	85 V	0.88 A	3.80 A
	100 V	0.88 A	3.80 A
	240 V	0.88 A	3.80 A
	264 V	0.88 A	3.80 A
45℃	85 V	0.86 A	3.70 A
	100 V	0.86 A	3.70 A
	240 V	0.86 A	3.70 A
	264 V	0.86 A	3.70 A
55℃	85 V	0.77 A	3.70 A
	100 V	0.77 A	3.70 A
	240 V	0.78 A	3.70 A
	264 V	0.78 A	3.70 A
65℃	85 V	0.74 A	3.60 A
	100 V	0.75 A	3.60 A
	240 V	0.75 A	3.60 A
	264 V	0.75 A	3.60 A
Specification		-	-
Judgment		-	-

Model	PCSF-200P-X2S	
Item	Over-Voltage Protection	

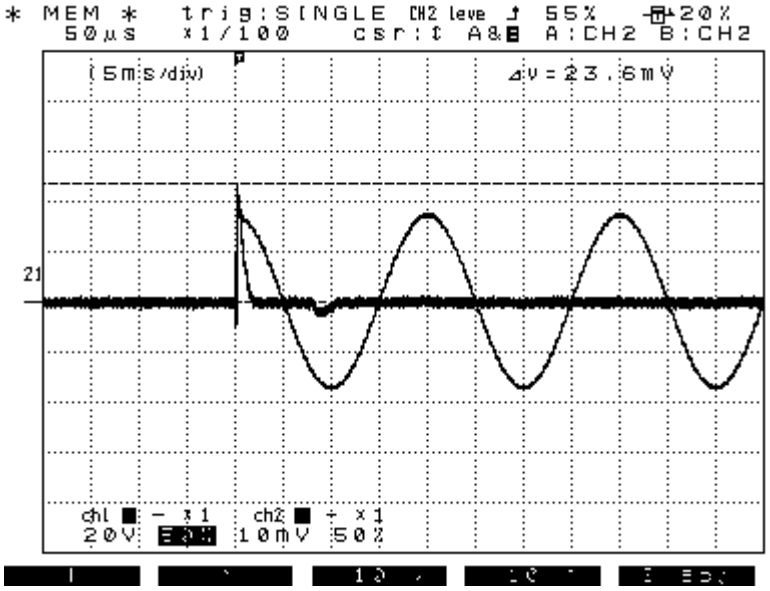
Temperature	Input Voltage	V1：5V	V2：3.3V	V3：12V
-5℃	AC100V	6.90V	4.25V	14.9V
	AC240V	6.90V	4.24V	14.9V
25℃	AC100V	6.77V	4.00V	15.0V
	AC240V	6.76V	4.00V	15.0V
45℃	AC100V	6.66V	3.85V	15.0V
	AC240V	6.66V	3.85V	15.0V
55℃	AC100V	6.63V	3.76V	15.1V
	AC240V	6.63V	3.77V	15.1V
65℃	AC100V	6.60V	3.72V	15.1V
	AC240V	6.60V	3.72V	15.1V
Specification		5.6～7.0V	3.7～4.3V	13.8～15.6V
Judgment		Good	Good	Good

Model	PCSF-200P-X2S	
Item	Inrush Current	

Inrush Current Wave



Wave No.1	
CH1	Measuring Point: Input Voltage
	Range 200V/DIV
CH2	Measuring Point: Input Current
	Range 10A/DIV
Time Line	5ms/DIV
Conditions	Input: AC100V 50Hz Load: Rated Load
Note: Inrush Current Value: 20.4A	



Wave No.2	
CH1	Measuring Point: Input Voltage
	Range 200V/DIV
CH2	Measuring Point: Input Current
	Range 20A/DIV
Time Line	5ms/DIV
Conditions	Input: AC240V 50Hz Load: Rated Load
Note: Inrush Current Value: 47.8A	

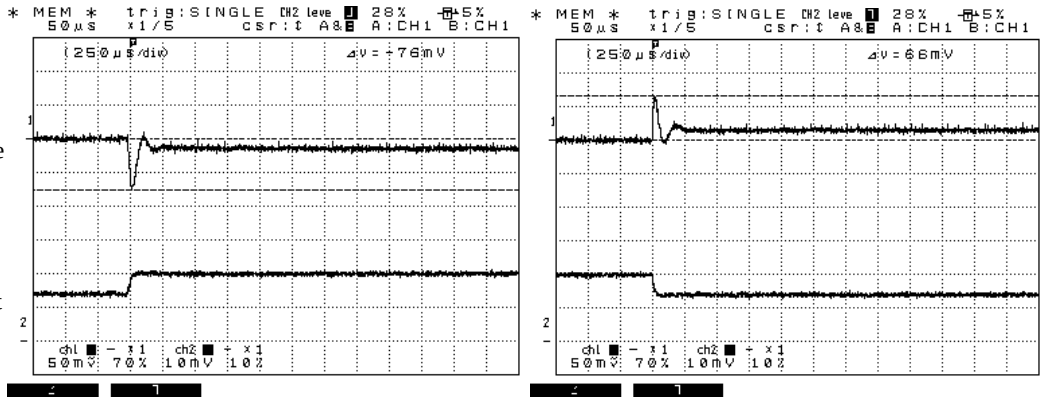
Model	PCSF-200P-X2S	
Item	Dynamic Load Response	

V1：+5V 10A

70% Load⇔ 100% Load

Output Voltage

Load Current



Sudden Fluctuation of Load	Fluctuation Value	ATX Specific Value	Judgment
70%Load→100% Load	－ mV -76mV	±250mV	Good
100% Load→70% Load	66mV － mV		Good

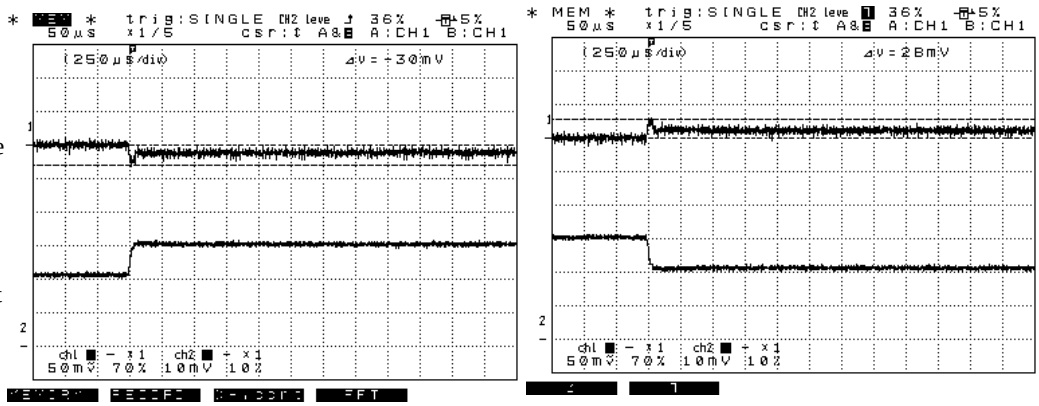
Model	PCSF-200P-X2S	
Item	Dynamic Load Response	

V2：+3.3V 6A

70% Load⇔ 100% Load

Output Voltage

Load Current



Sudden Fluctuation of Load	Fluctuation Value	ATX Specific Value	Judgment
70%Load→100% Load	－ mV -30mV	±132mV	Good
100% Load→70% Load	28mV － mV		Good

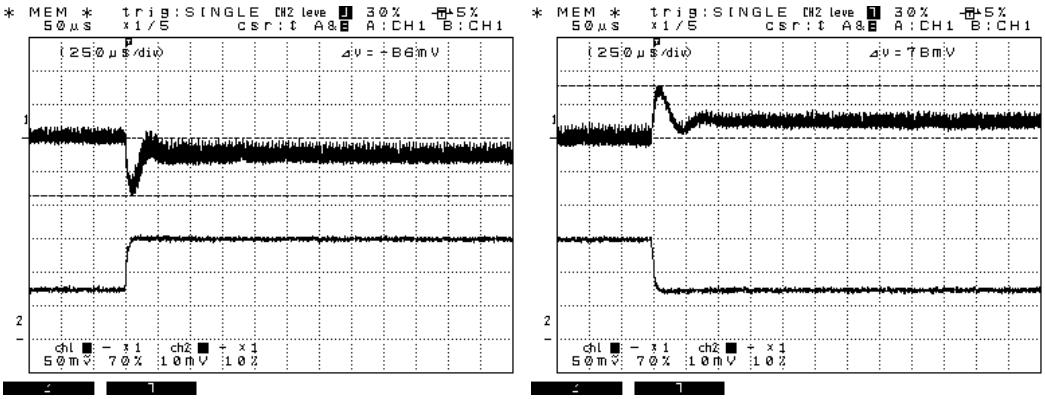
Model	PCSF-200P-X2S	
Item	Dynamic Load Response	

V3：+12V 6A

50% Load ⇔ 100% Load

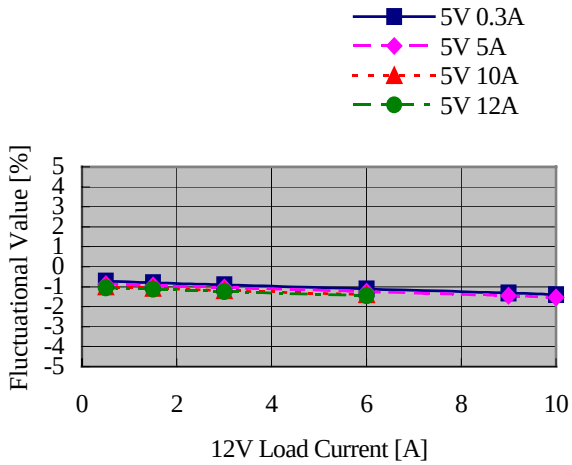
Output Voltage

Load Current



Sudden Fluctuation of Load	Fluctuation Value	ATX Specific Value	Judgment
50%Load→100% Load	– mV -86mV	±600mV	Good
100% Load→50% Load	78mV – mV		Good

Model	PCSF-200P-X2S
Item	12V Cross Regulation

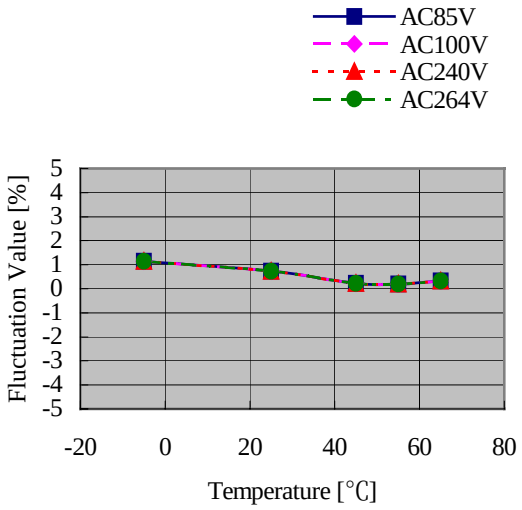


12V Load Current	12V Voltage Value [V]			
	5V 0.3A	5V 5A	5V 10A	5V 12A
0.5A	11.913	11.896	11.879	11.873
1.5A	11.904	11.887	11.871	11.864
3A	11.892	11.875	11.857	11.851
6A	11.867	11.850	11.833	11.826
9A	11.842	11.825	-	-
10A	11.833	11.816	-	-

12V Load Current	Fluctuation Value [%]			
	5V 0.3A	5V 5A	5V 10A	5V 12A
0.5A	-0.72	-0.87	-1.01	-1.06
1.5A	-0.80	-0.94	-1.07	-1.13
3A	-0.90	-1.04	-1.19	-1.24
6A	-1.11	-1.25	-1.39	-1.45
9A	-1.32	-1.46	-	-
10A	-1.39	-1.53	-	-

Model	PCSF-200P-X2S
Item	Ambient Temperature Drift

V1：5V 10A



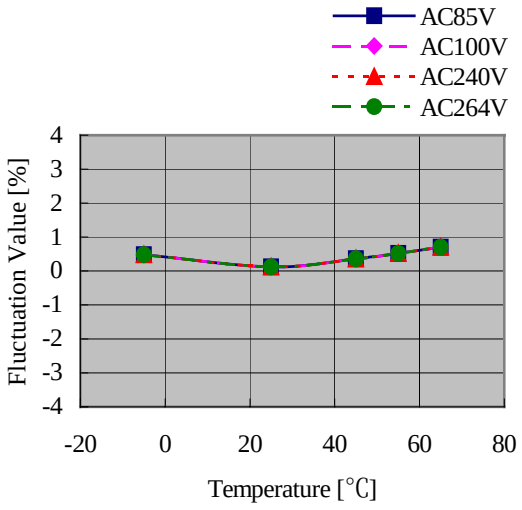
at AC Input

Temperature (℃)	Output Voltage [V]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	5.057	5.057	5.057	5.057
25	5.037	5.037	5.037	5.037
45	5.011	5.011	5.011	5.011
55(1)	5.010	5.010	5.010	5.010
65(2)	5.016	5.016	5.016	5.016

Temperature (℃)	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	1.14	1.14	1.14	1.14
25	0.74	0.74	0.74	0.74
45	0.22	0.22	0.22	0.22
55(1)	0.20	0.20	0.20	0.20
65(2)	0.32	0.32	0.32	0.32

(1) 90% of Rated Load
(2) 80% of Rated Load

V2：3.3V 6A



at AC Input

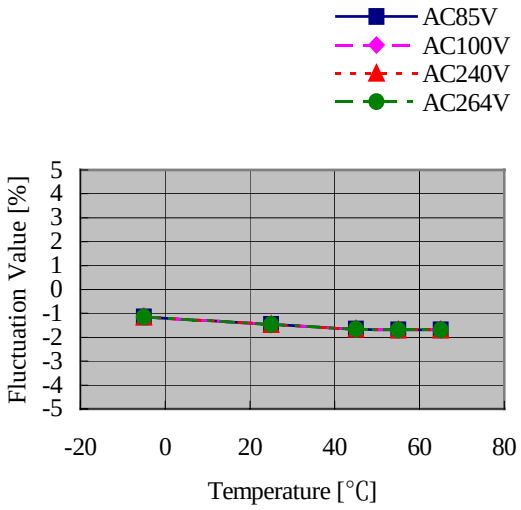
Temperature (℃)	Output Voltage [V]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	3.316	3.316	3.316	3.316
25	3.304	3.304	3.304	3.304
45	3.312	3.312	3.312	3.312
55(1)	3.317	3.317	3.317	3.317
65(2)	3.323	3.323	3.323	3.323

Temperature (℃)	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	0.48	0.48	0.48	0.48
25	0.12	0.12	0.12	0.12
45	0.36	0.36	0.36	0.36
55(1)	0.52	0.52	0.52	0.52
65(2)	0.70	0.70	0.70	0.70

(1) 90% of Rated Load
(2) 80% of Rated Load

Model	PCSA-470P-X2S
Item	Ambient Temperature Drift

V3：12V 6A



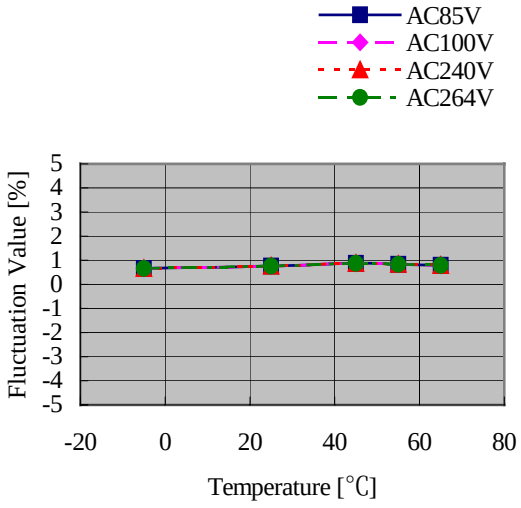
at AC Input

Temperature (℃)	Output Voltage [V]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	11.862	11.862	11.862	11.862
25	11.825	11.825	11.825	11.825
45	11.800	11.800	11.800	11.800
55(1)	11.797	11.797	11.797	11.797
65(2)	11.797	11.797	11.797	11.797

Temperature (℃)	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	-1.15	-1.15	-1.15	-1.15
25	-1.46	-1.46	-1.46	-1.46
45	-1.67	-1.67	-1.67	-1.67
55(1)	-1.69	-1.69	-1.69	-1.69
65(2)	-1.69	-1.69	-1.69	-1.69

(1) 90% of Rated Load
(2) 80% of Rated Load

V4：-12V 0.3A



at AC Input

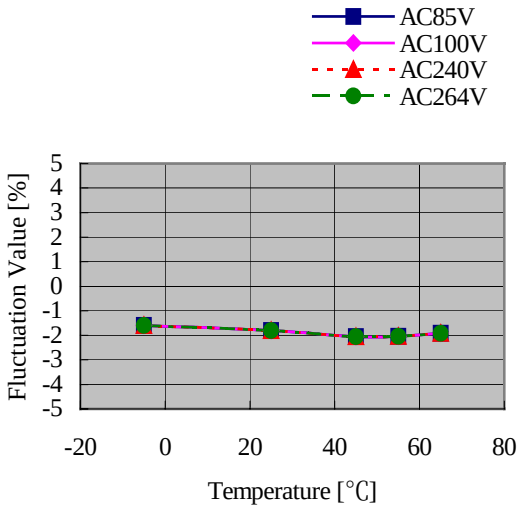
Temperature (℃)	Output Voltage [V]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	-12.080	-12.080	-12.080	-12.080
25	-12.092	-12.092	-12.092	-12.092
45	-12.104	-12.104	-12.104	-12.104
55(1)	-12.100	-12.100	-12.100	-12.100
65(2)	-12.095	-12.095	-12.095	-12.095

Temperature (℃)	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	0.67	0.67	0.67	0.67
25	0.77	0.77	0.77	0.77
45	0.87	0.87	0.87	0.87
55(1)	0.83	0.83	0.83	0.83
65(2)	0.79	0.79	0.79	0.79

(1) 90% of Rated Load
(2) 80% of Rated Load

Model	PCSF-200P-X2S
Item	Ambient Temperature Drift

V5：5Vs 1A



at AC Input

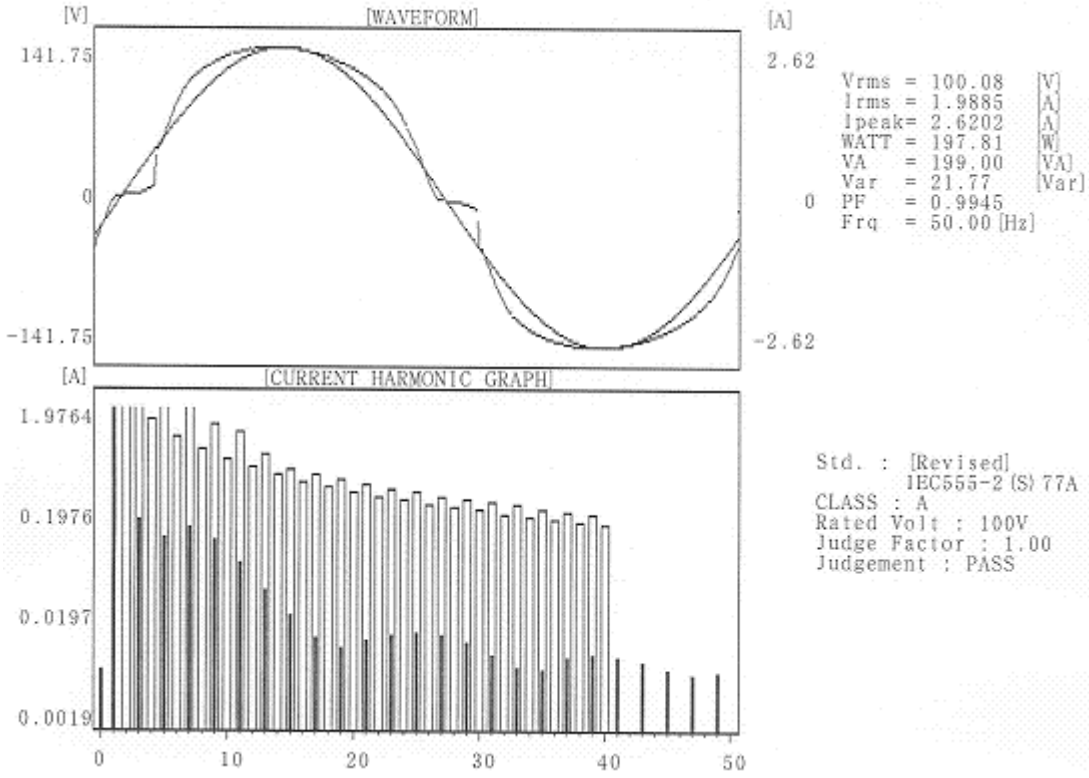
Temperature (℃)	Output Voltage [V]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	4.920	4.920	4.920	4.920
25	4.910	4.910	4.910	4.910
45	4.897	4.897	4.897	4.897
55(1)	4.898	4.898	4.898	4.898
65(2)	4.904	4.904	4.904	4.904

Temperature (℃)	Fluctuation Value [%]			
	Input Voltage AC85V	Input Voltage AC100V	Input Voltage AC240V	Input Voltage AC264V
-5	-1.60	-1.60	-1.60	-1.60
25	-1.80	-1.80	-1.80	-1.80
45	-2.06	-2.06	-2.06	-2.06
55(1)	-2.04	-2.04	-2.04	-2.04
65(2)	-1.92	-1.92	-1.92	-1.92

(1) 90% of Rated Load
(2) 80% of Rated Load

Model	PCSF-200P-X2S	
Item	Harmonic Current	

Measuring Instrument ： MP701(Keisoku Giken)

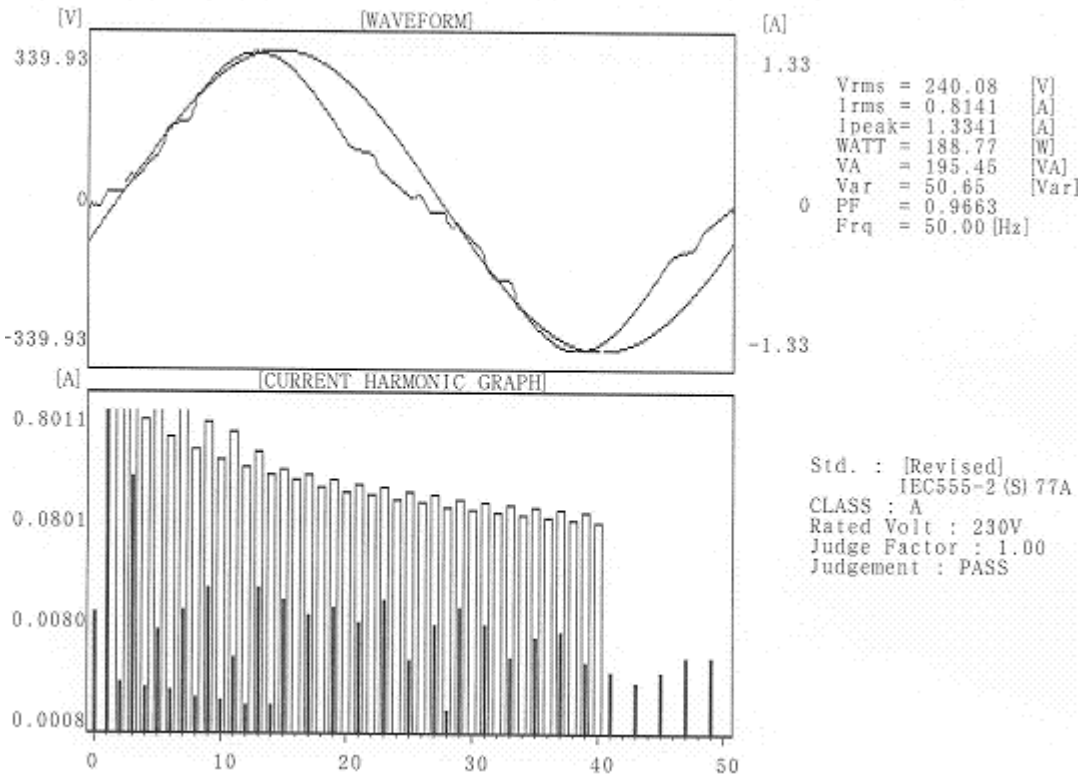


[CURRENT HARMONIC DATA]

No	(A)	No	(A)	No	(A)	No	(A)
00	0.0047	13	0.0272	26	0.0008	39	0.0066
01	1.9764	14	0.0009	27	0.0103	40	0.0004
02	0.0015	15	0.0155	28	0.0007	41	0.0063
03	0.1249	16	0.0008	29	0.0088	42	0.0000
04	0.0009	17	0.0098	30	0.0005	43	0.0056
05	0.0829	18	0.0004	31	0.0065	44	0.0002
06	0.0002	19	0.0080	32	0.0002	45	0.0047
07	0.1036	20	0.0002	33	0.0050	46	0.0004
08	0.0000	21	0.0091	34	0.0004	47	0.0043
09	0.0775	22	0.0007	35	0.0048	48	0.0007
10	0.0006	23	0.0104	36	0.0007	49	0.0046
11	0.0478	24	0.0008	37	0.0062		
12	0.0010	25	0.0108	38	0.0004		

Model	PCSF-200P-X2S	
Item	Harmonic Current	

Measuring Instrument ： MP701(Keisoku Giken)



[CURRENT HARMONIC DATA]

No	(A)	No	(A)	No	(A)	No	(A)
00	0.0073	13	0.0124	26	0.0006	39	0.0024
01	0.8011	14	0.0009	27	0.0053	40	0.0002
02	0.0015	15	0.0090	28	0.0008	41	0.0019
03	0.1341	16	0.0004	29	0.0078	42	0.0002
04	0.0014	17	0.0065	30	0.0000	43	0.0015
05	0.0049	18	0.0007	31	0.0053	44	0.0000
06	0.0013	19	0.0080	32	0.0000	45	0.0019
07	0.0075	20	0.0006	33	0.0027	46	0.0006
08	0.0011	21	0.0056	34	0.0000	47	0.0027
09	0.0124	22	0.0006	35	0.0040	48	0.0006
10	0.0010	23	0.0092	36	0.0000	49	0.0027
11	0.0027	24	0.0000	37	0.0045		
12	0.0009	25	0.0025	38	0.0000		

Model	PCSF-200P-X2S	
Item	Leakage Current Test	

Temperature Room Temperature
Input AC100V、240V
Load Rated Load 、Minimum Load

Input Voltage (V)	at Rated Load (mA)	at Minimum Load (mA)
100V	0.38	0.36
240V	0.87	0.86

Measuring Instrument：YEW.TYPE3226 Applicable Products（ Range：1KΩ）

Model	PCSF-200P-X2S	
Item	Line Noise Tolerance	

Temperature	Room Temperature
Input	AC100V,60Hz
Load	Rated Load
Noise Impressed Voltage	±2000V
Repeat Cycle	10～35ms
Pulse Width	100,1000ns

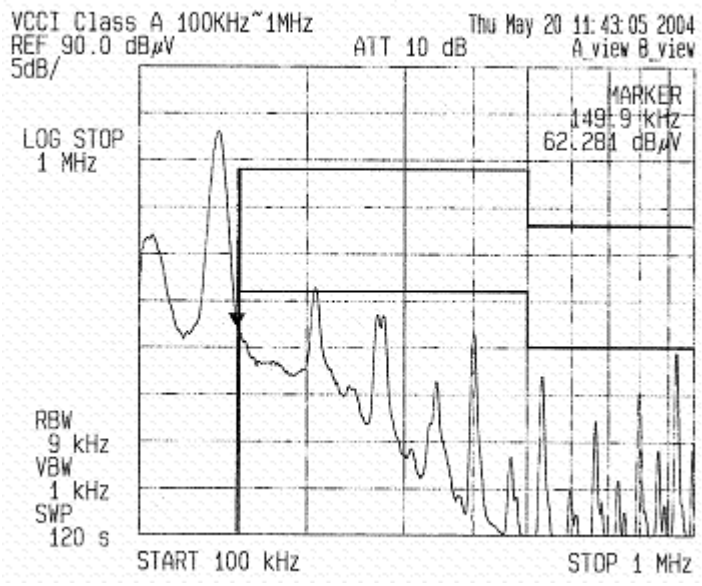
	Pulse Impressed Mode			
Normal	100ns		1000ns	
	Polarity +	Polarity -	Polarity +	Polarity -
	○	○	○	○
Common R Phase	Pulse Impressed Mode			
	100ns		1000ns	
	Polarity +	Polarity -	Polarity +	Polarity -
	○	○	○	○
Common S Phase	Pulse Impressed Mode			
	100ns		1000ns	
	Polarity +	Polarity -	Polarity +	Polarity -
	○	○	○	○

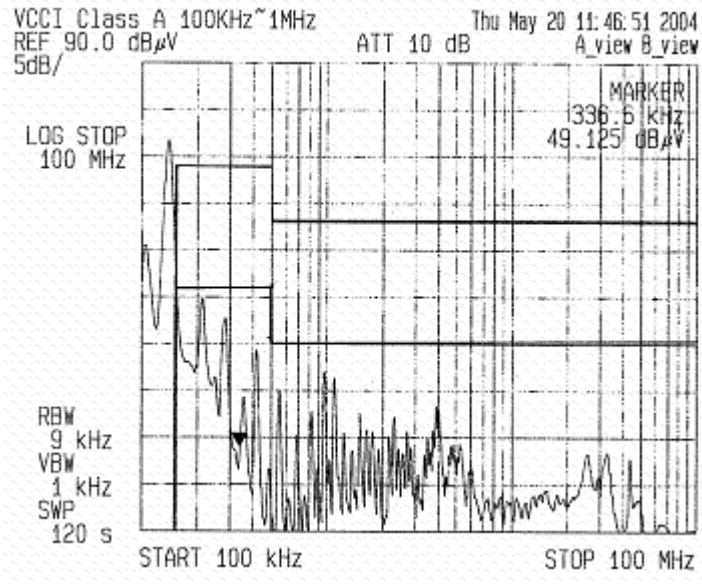
○→No Trouble
△→Faulty Operation of Over-Voltage and so on
×→Power Supply Breakdown

Measuring Instrument ： INS420 (Noise Laboratory Co.,Ltd.)

Model	PCSF-200P-X2S	
Item	Conduction Emission	

Temperature Room Temperature
Input AC100V
Load Rated Load
Measuring Point L-FG
Measuring Instrument R3261A (Advantest)





Model	PCSF-200P-X2S	
Item	Conduction Emission	

Temperature Room Temperature
Input AC240V
Load Rated Load
Measuring Point L-FG
Measuring Instrument R3261A (Advantest)