

PSD3- * -1212

EVALUATION DATA

型式データ

DWG.No. C203-53-01		
承認	査閲	担当
N. Uesono 18, Apr, '05	H. Kawagoe 14, Apr, '05	T. Tanaka 17, Apr, '05

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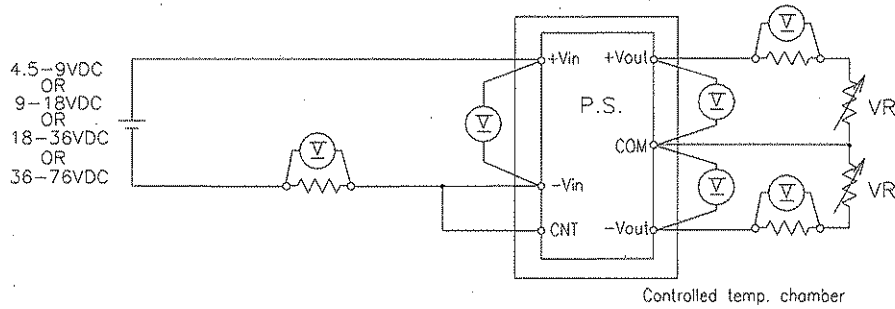
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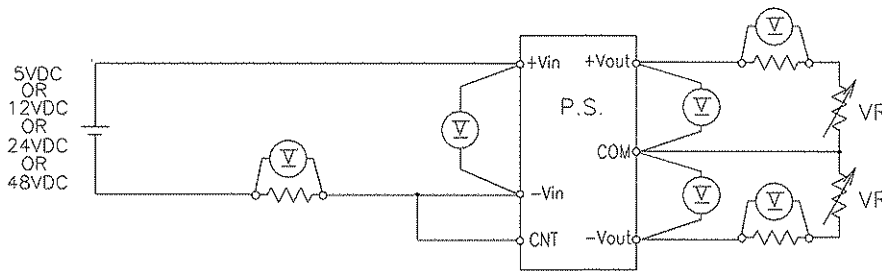
使用記号 Terminology used

	Definition		
Vin	入力電圧	Input Voltage
Vout	出力電圧	Output Voltage
Von/off	ON/OFF電圧	ON/OFF Voltage
Iin	入力電流	Input Current
Iout	出力電流	Output Current
Ta	周囲温度	Ambient Temperature

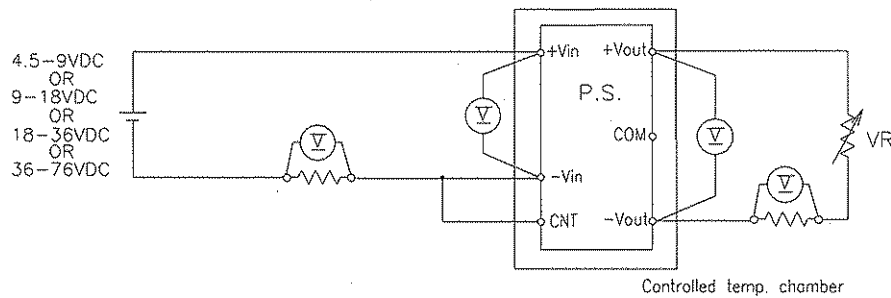
- 1. 測定方法 Evaluation Method
- 1.1 測定回路 Circuits used for determination
- (1) 静特性 Steady state data



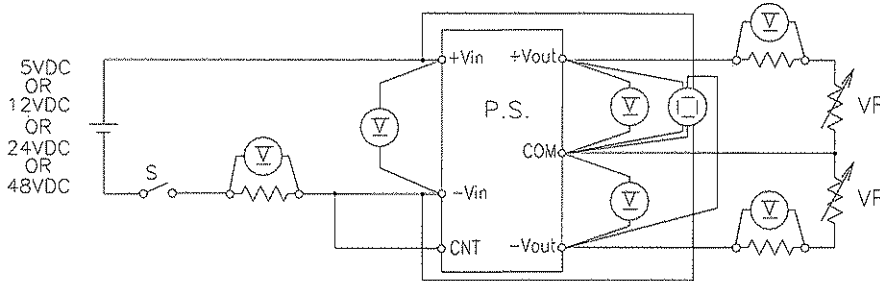
- (2) 通電ドリフト特性 Warm up voltage drift characteristics



- (3) 過電流保護特性 Over current protection (OCP) characteristics



(4) 出力立ち上がり特性 Output rise characteristics



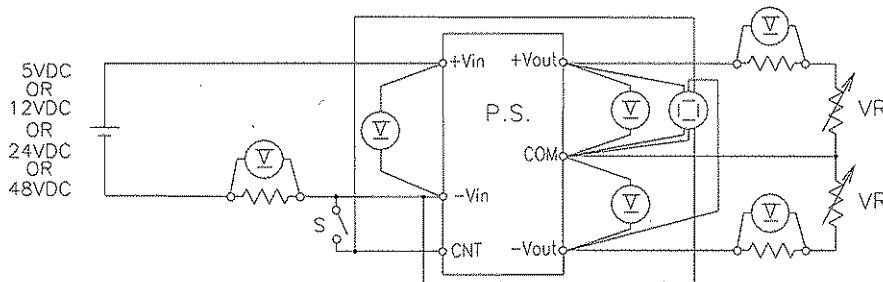
(5) 出力立ち下がり特性 Output fall characteristics

出力立ち上がり特性と同じ

Same as output rise characteristics

(6) 出力立ち上がり特性 (ON/OFF コントロール時)

Output rise characteristics with ON/OFF CONTROL



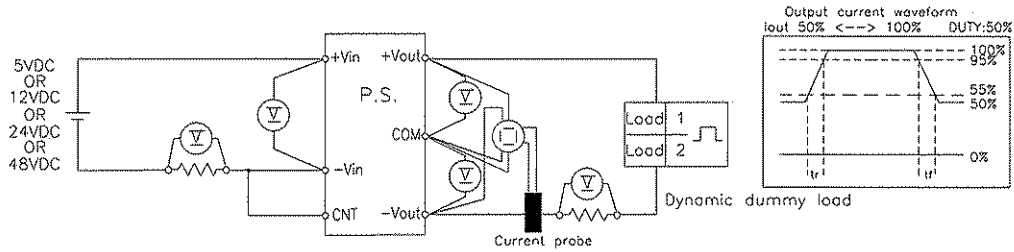
(7) 出力立ち下がり特性 (ON/OFF コントロール時)

Output fall characteristics with ON/OFF CONTROL

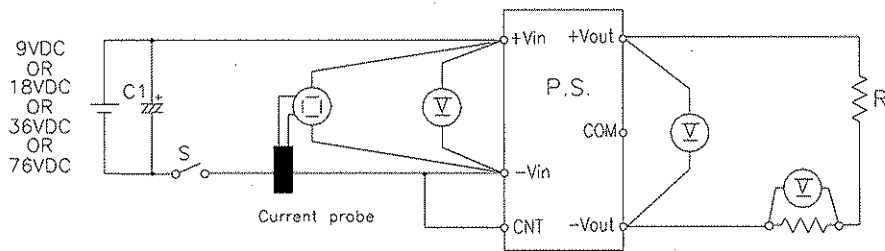
出力立ち上がり特性 (ON/OFF コントロール時) と同じ

Same as output rise characteristics with ON/OFF CONTROL

(8) 過渡応答(負荷急変)特性 Dynamic load response characteristics

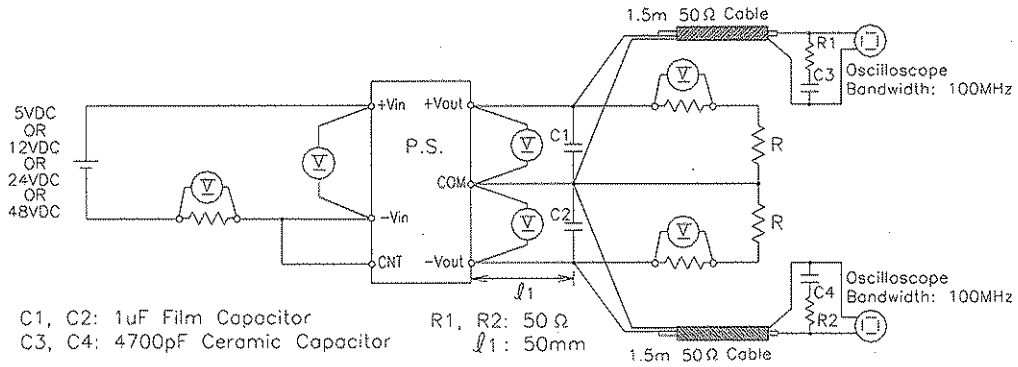


(9) 入力サージ電流(突入電流)特性 Inrush current characteristics

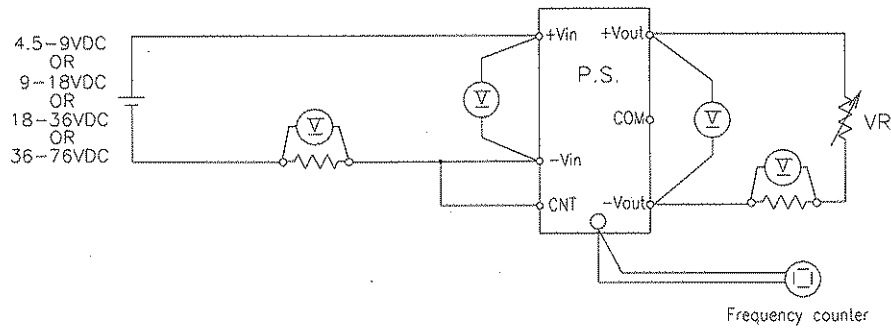


C1: 4000uF Electrolytic Capacitor

(10) 出力リップル、ノイズ波形 Output ripple and noise waveform

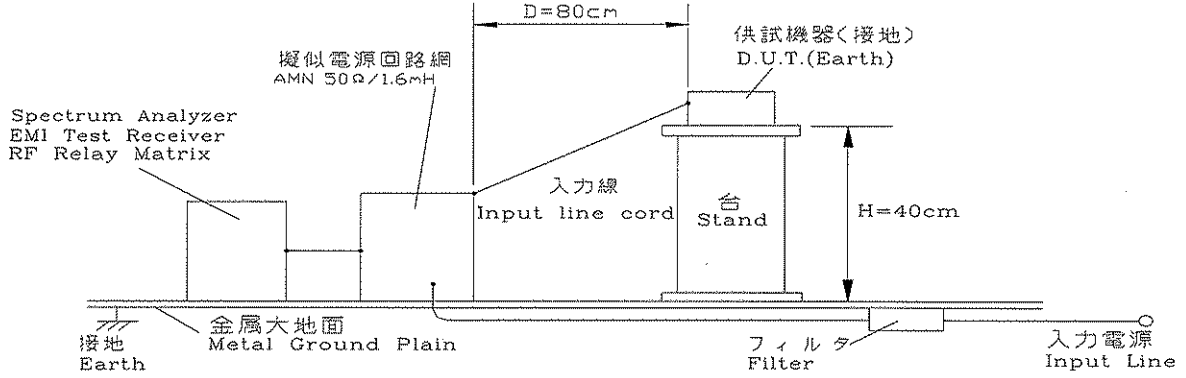


(11) スイッチング周波数対出力電力 Switching frequency v.s. output power

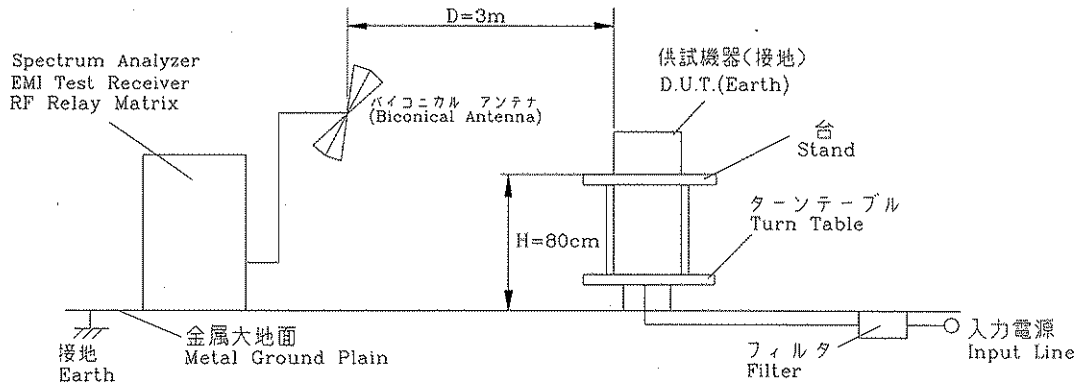


(12) EMI 特性 Electro-Magnetic Interference characteristics

(a) 雑音端子電圧 (帰還ノイズ) Conducted Emission Noise

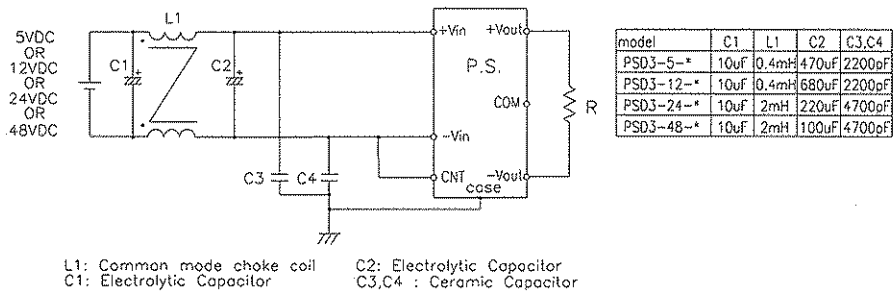


(b) 雑音電界強度 (輻射ノイズ) Radiated Emission Noise



(1) VCCI class A 対応アプリケーションシステム

VCCI class A application system



1.2 使用測定機器 List of equipment used

	EQUIPMENT USED	MANUFACTURER	MODEL NO.
1	OSCILLO SCOPE	HITACHI DENSHI	V-1100A
2	DIGITAL STORAGE OSCILLOSCOPE	IWATSU-LeCroy	LT364L
3	DIGITAL MULTIMETER	AGILENT	34970A
4	CURRENT PROBE/AMPLIFIER	TEKTRONIX	A6303/TM503B
5	SHUNT RESISTER	YOKOGAWA ELECT.	2215
6	DYNAMIC DUMMY LOAD	TAKASAGO	FK-200L
7	INPUT POWER SUPPLY	DENSEI-LAMBDA	GEN100-7.5
8	CONTROLLED TEMP. CHAMBER	TABAI ESPEC	SU-261
9	SPECTRUM ANALYZER	ROHDE & SCHWARZ	FSA
10	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESHS10
11	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESVS10
12	RF RELAY MATRIX	ROHDE & SCHWARZ	PSU
13	AMN	KYORITU DENSHI	KNW-242
14	ANTENNA(BICONICAL ANTENNA)	SCHWARZBECK	BBA9106

2. 特性データ Characteristics

2.1 静特性 Steady state data

(1) 入力・負荷・温度変動 Regulation - line and load, temperature drift

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12V (CH1)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	4.5VDC	5VDC	9VDC	line regulation	
0%	12.045V	12.047V	12.047V	2.0mV	0.017%
50%	12.052V	12.052V	12.051V	1.0mV	0.008%
100%	12.052V	12.053V	12.052V	1.0mV	0.008%
load	7.0mV	6.0mV	5.0mV		
regulation	0.06%	0.05%	0.04%		

2. Temperature drift

Conditions Vin : 5VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	12.003V	12.053V	12.061V	58.0mV	0.48%

-12V (CH2)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	4.5VDC	5VDC	9VDC	line regulation	
0%	-12.060V	-12.060V	-12.061V	1.0mV	0.008%
50%	-12.054V	-12.054V	-12.056V	2.0mV	0.017%
100%	-12.053V	-12.054V	-12.055V	2.0mV	0.017%
load	7.0mV	6.0mV	6.0mV		
regulation	0.06%	0.05%	0.05%		

2. Temperature drift

Conditions Vin : 5VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	-12.006V	-12.054V	-12.062V	56.0mV	0.46%

2.1 静特性 Steady state data

(1) 入力・負荷・温度変動 Regulation - line and load, temperature drift

PSD3-12-1212

12V (CH1)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	9VDC	12VDC	18VDC	line regulation	
0%	12.102V	12.101V	12.101V	1.0mV	0.008%
50%	12.103V	12.103V	12.102V	1.0mV	0.008%
100%	12.101V	12.101V	12.102V	1.0mV	0.008%
load	2.0mV	2.0mV	1.0mV		
regulation	0.02%	0.02%	0.01%		

2. Temperature drift

Conditions Vin : 12VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	12.055V	12.101V	12.101V	46.0mV	0.38%

-12V (CH2)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	9VDC	12VDC	18VDC	line regulation	
0%	-12.076V	-12.077V	-12.077V	1.0mV	0.008%
50%	-12.076V	-12.076V	-12.076V	0.0mV	0.000%
100%	-12.078V	-12.078V	-12.077V	1.0mV	0.008%
load	2.0mV	2.0mV	1.0mV		
regulation	0.02%	0.02%	0.01%		

2. Temperature drift

Conditions Vin : 12VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	-12.032V	-12.078V	-12.077V	46.0mV	0.38%

2.1 静特性 Steady state data

(1) 入力・負荷・温度変動 Regulation - line and load, temperature drift

PSD3-24-1212

12V (CH1)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	18VDC	24VDC	36VDC	line regulation	
0%	12.118V	12.118V	12.119V	1.0mV	0.008%
50%	12.122V	12.122V	12.121V	1.0mV	0.008%
100%	12.126V	12.124V	12.124V	2.0mV	0.016%
load	8.0mV	6.0mV	5.0mV		
regulation	0.07%	0.05%	0.04%		

2. Temperature drift

Conditions Vin : 24VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	12.060V	12.124V	12.131V	71.0mV	0.59%

-12V (CH2)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	18VDC	24VDC	36VDC	line regulation	
0%	-12.168V	-12.168V	-12.167V	1.0mV	0.008%
50%	-12.163V	-12.164V	-12.165V	2.0mV	0.016%
100%	-12.160V	-12.161V	-12.162V	2.0mV	0.016%
load	8.0mV	7.0mV	5.0mV		
regulation	0.07%	0.06%	0.04%		

2. Temperature drift

Conditions Vin : 24VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	-12.095V	-12.161V	-12.167V	72.0mV	0.59%

2.1 静特性 Steady state data

(1) 入力・負荷・温度変動 Regulation - line and load, temperature drift

PSD3-48-1212

12V (CH1)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	36VDC	48VDC	76VDC	line regulation	
0%	12.093V	12.092V	12.093V	1.0mV	0.008%
50%	12.091V	12.091V	12.092V	1.0mV	0.008%
100%	12.090V	12.090V	12.091V	1.0mV	0.008%
load	3.0mV	2.0mV	2.0mV		
regulation	0.02%	0.02%	0.02%		

2. Temperature drift

Conditions Vin : 48VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	12.027V	12.090V	12.097V	70.0mV	0.58%

-12V (CH2)

1. Regulation - line and load

Condition Ta : 25°C

Iout \ Vin	36VDC	48VDC	76VDC	line regulation	
0%	-12.087V	-12.086V	-12.087V	1.0mV	0.008%
50%	-12.088V	-12.087V	-12.088V	1.0mV	0.008%
100%	-12.090V	-12.089V	-12.089V	1.0mV	0.008%
load	3.0mV	3.0mV	2.0mV		
regulation	0.02%	0.02%	0.02%		

2. Temperature drift

Conditions Vin : 48VDC

Iout : 100%

Ta	-40°C	25°C	85°C	temperature stability	
Vout	-12.026V	-12.089V	-12.096V	70.0mV	0.58%

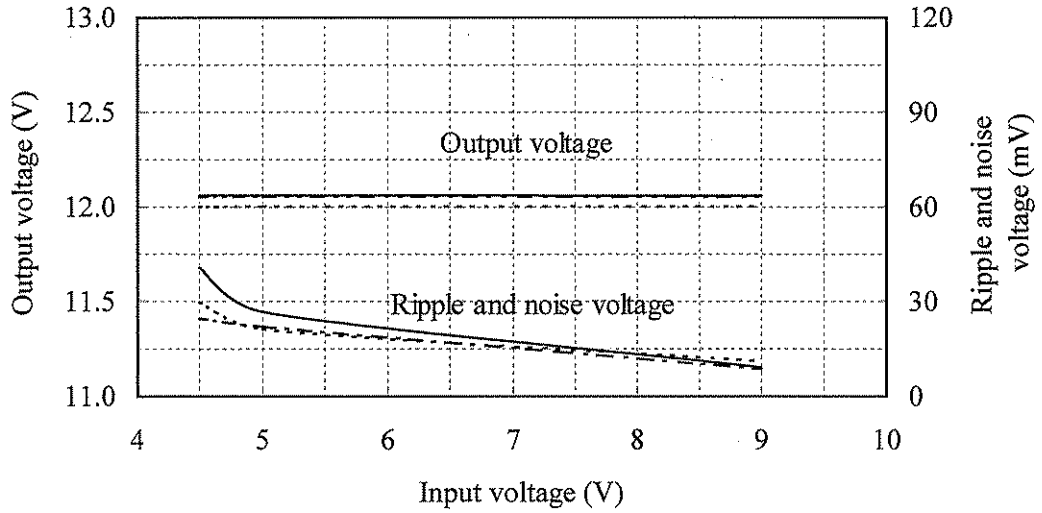
2.1 (2) 出力電圧・リップル電圧対入力電圧
Output voltage and ripple voltage v.s. input voltage

PSD3-5-1212

Conditions Iout : 100 %

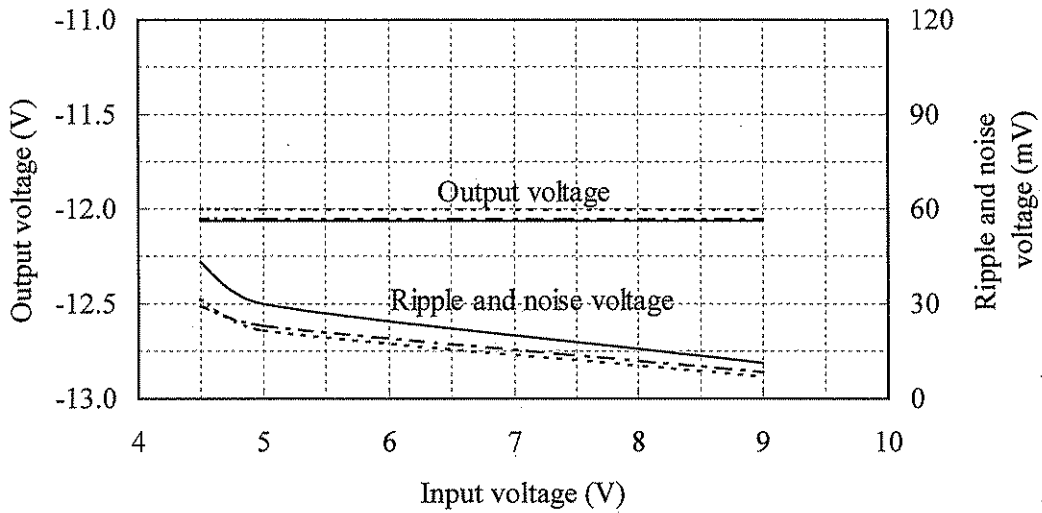
Ta : -40 °C -----
25 °C - - - - -
85 °C _____

12V (CH1)



-12V (CH2)

Ta : -40 °C -----
25 °C - - - - -
85 °C _____

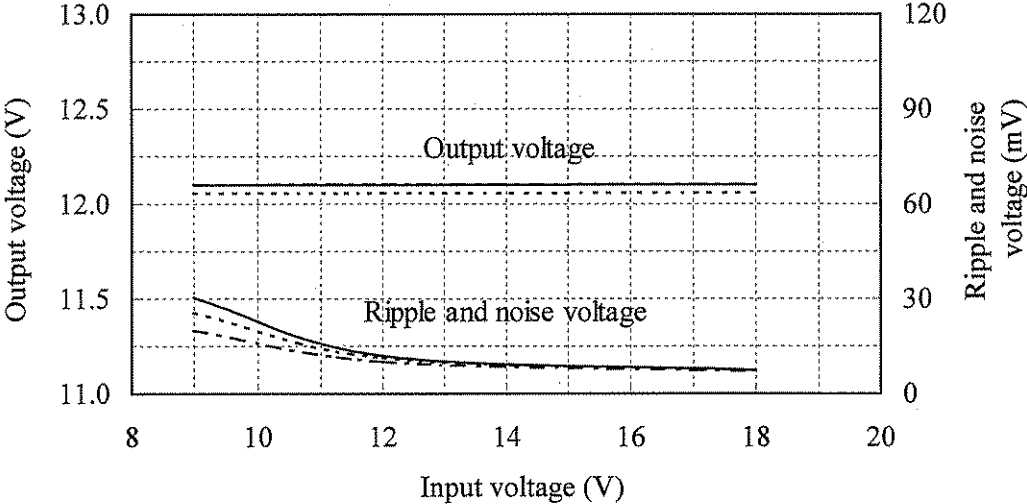


2.1 (2) 出力電圧・リップル電圧対入力電圧
Output voltage and ripple voltage v.s. input voltage

PSD3-12-1212

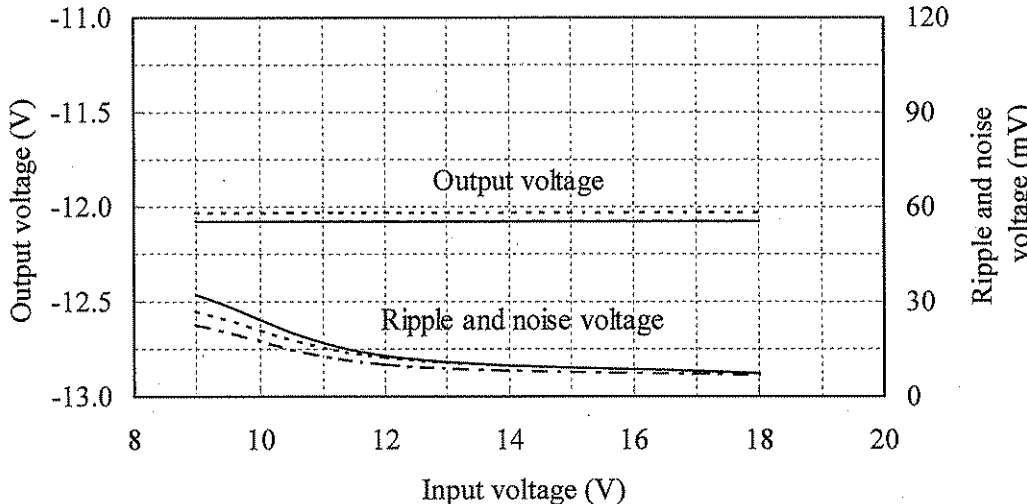
Conditions Iout : 100 %
Ta : -40 °C -----
25 °C - - - - -
85 °C _____

12V (CH1)



-12V (CH2)

Ta : -40 °C -----
25 °C - - - - -
85 °C _____

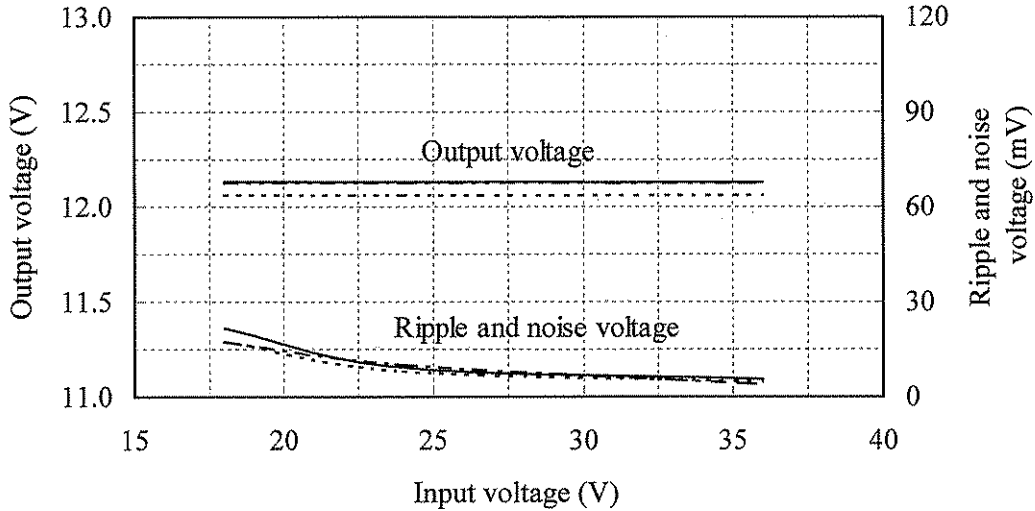


2.1 (2) 出力電圧・リップル電圧対入力電圧
Output voltage and ripple voltage v.s. input voltage

PSD3-24-1212

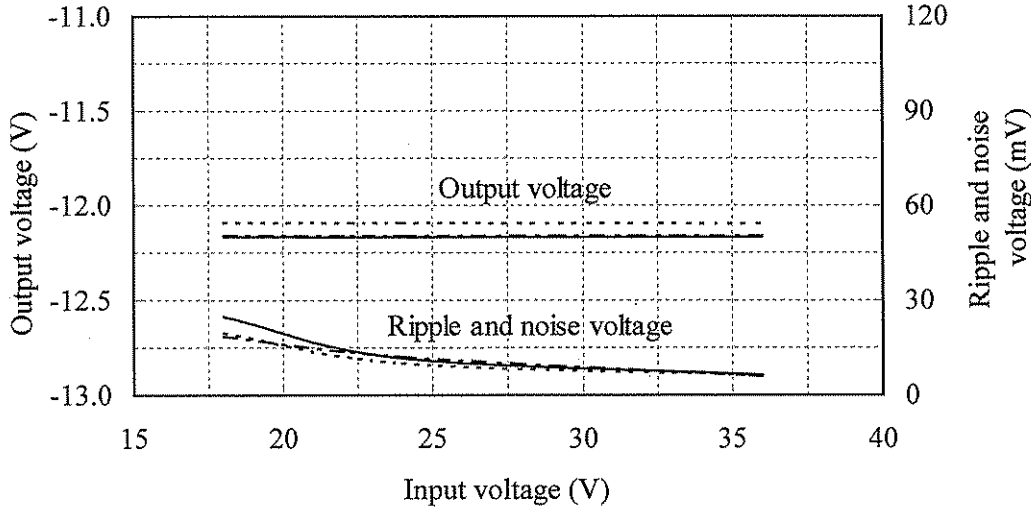
Conditions Iout : 100 %
Ta : -40 °C -----
25 °C - - - - -
85 °C _____

12V (CH1)



-12V (CH2)

Ta : -40 °C -----
25 °C - - - - -
85 °C _____

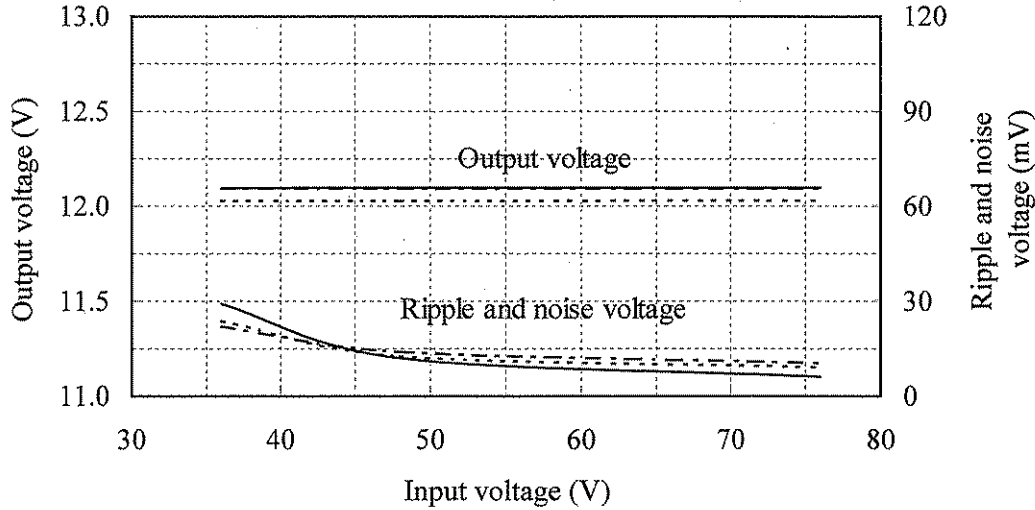


2.1 (2) 出力電圧・リップル電圧対入力電圧
Output voltage and ripple voltage v.s. input voltage

PSD3-48-1212

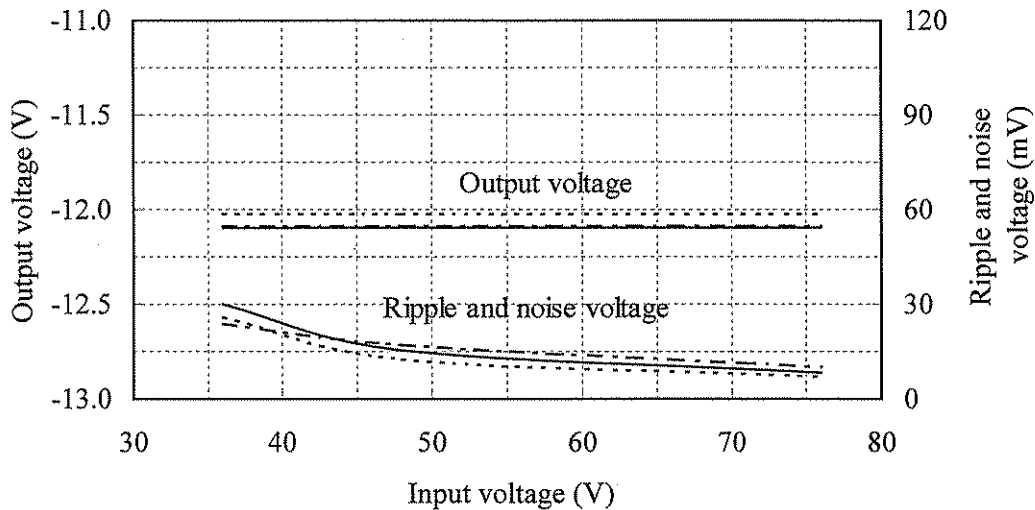
Conditions Iout : 100 %
Ta : -40 °C -----
25 °C - - - - -
85 °C _____

12V (CH1)



Ta : -40 °C -----
25 °C - - - - -
85 °C _____

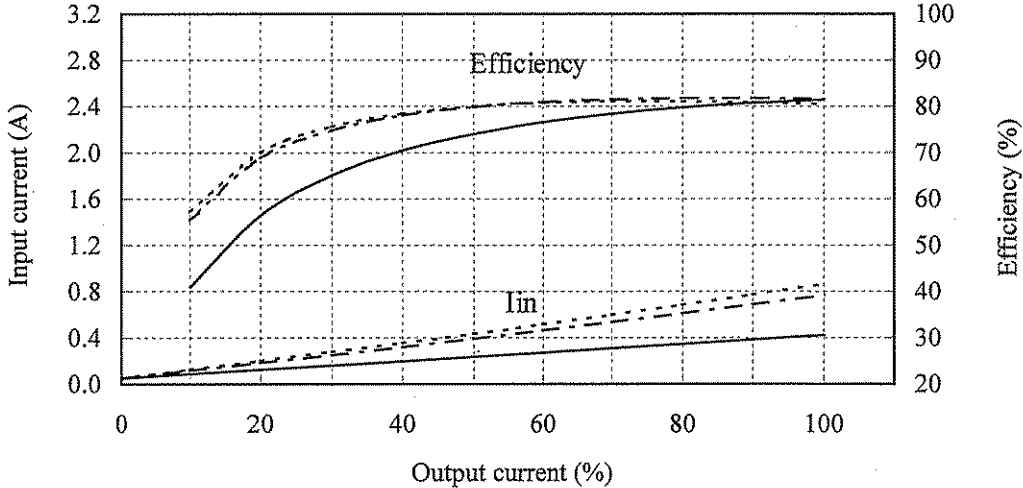
-12V (CH2)



2.1 (3) 効率・入力電流対出力電流
Efficiency and input current v.s. output current

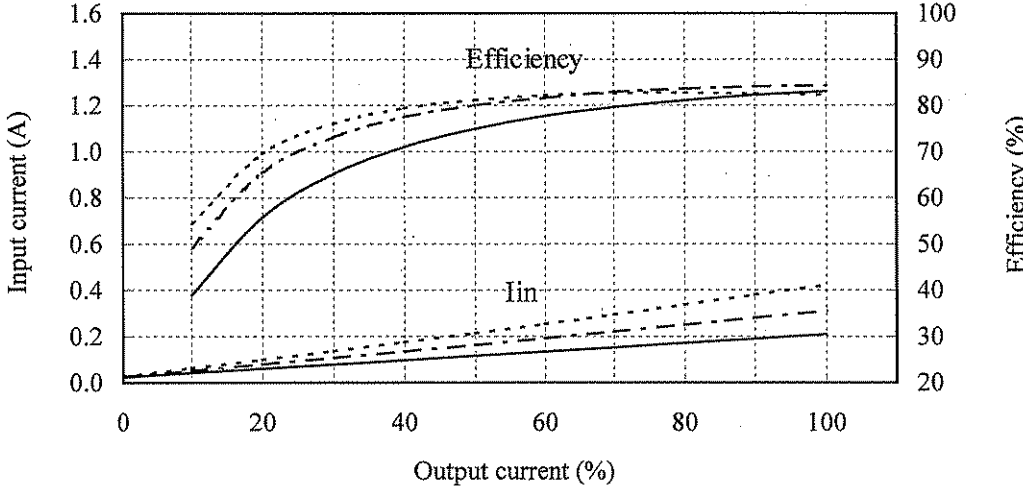
Conditions V_{in} : 4.5 VDC -----
 : 5 VDC - - - - -
 : 9 VDC — — — — —
 T_a : 25 °C

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Conditions V_{in} : 9 VDC -----
 : 12 VDC - - - - -
 : 18 VDC — — — — —
 T_a : 25 °C

PSD3-12-1212

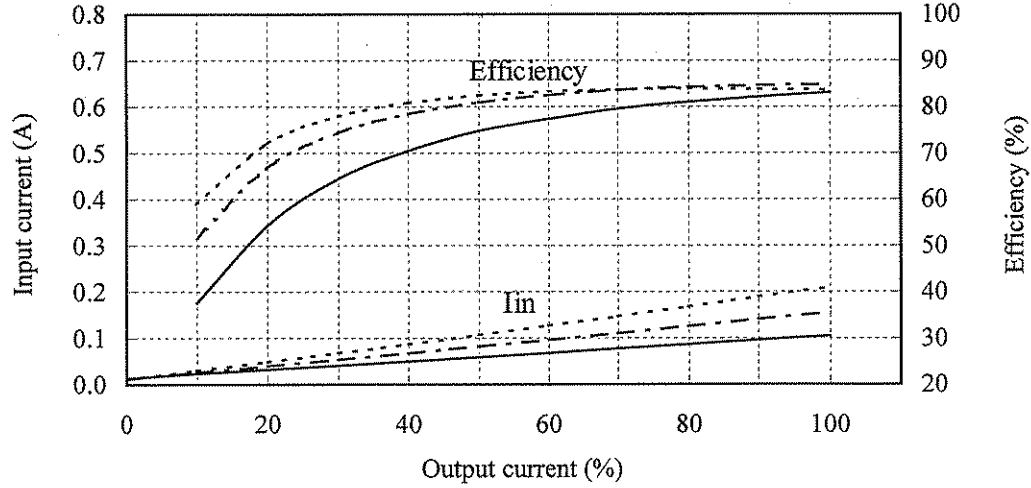


2.1 (3) 効率・入力電流対出力電流

Efficiency and input current v.s. output current

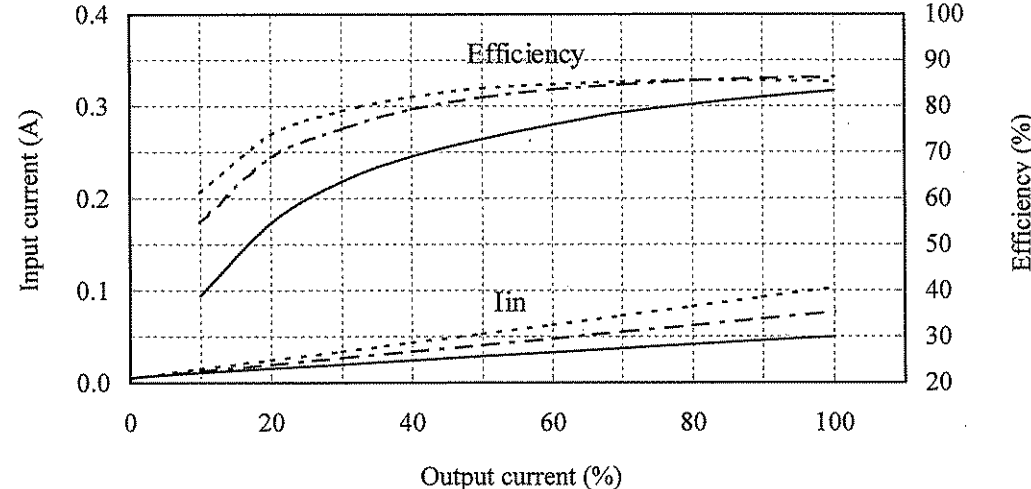
Conditions Vin : 18 VDC -----
 : 24 VDC - - - - -
 : 36 VDC ————
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 36 VDC -----
 : 48 VDC - - - - -
 : 76 VDC ————
Ta : 25 °C

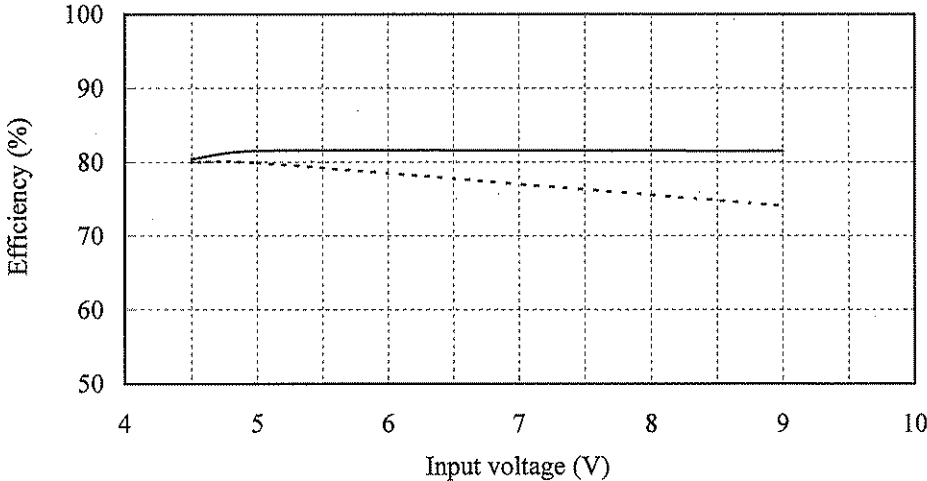
PSD3-48-1212



2.1 (4) 効率対入力電圧
Efficiency v.s. input voltage

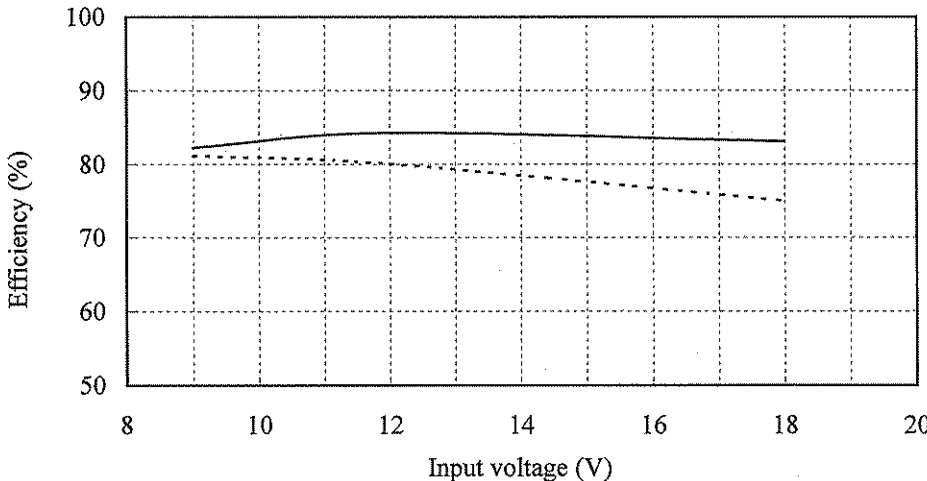
Conditions Ta : 25 °C
Iout : 50 % -----
100 % _____

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Conditions Ta : 25 °C
Iout : 50 % -----
100 % _____

PSD3-12-1212



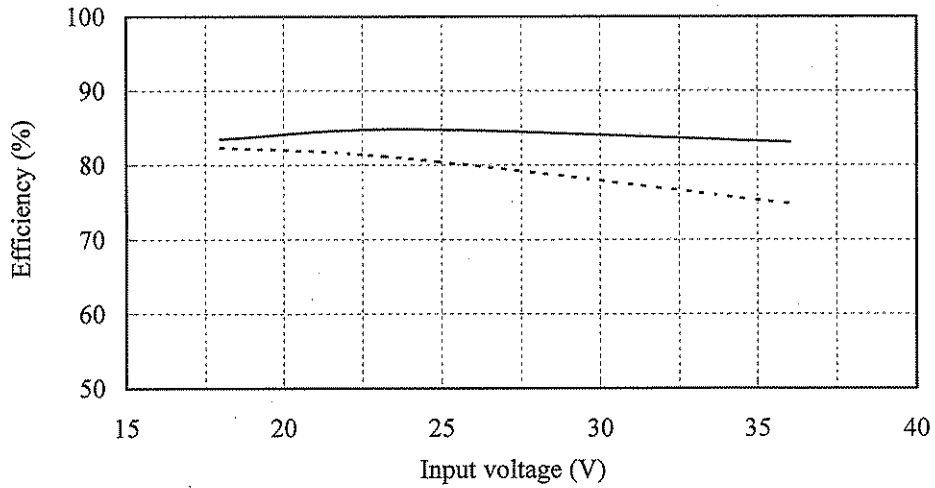
2.1 (4) 効率対入力電圧
Efficiency v.s. input voltage

Conditions Ta : 25 °C

Iout : 50 %

100 %

PSD3-24-1212

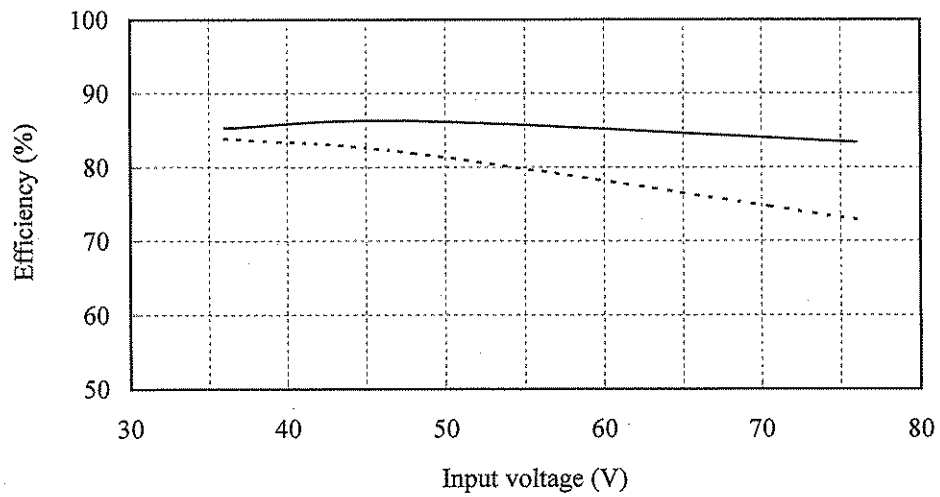


Conditions Ta : 25 °C

Iout : 50 %

100 %

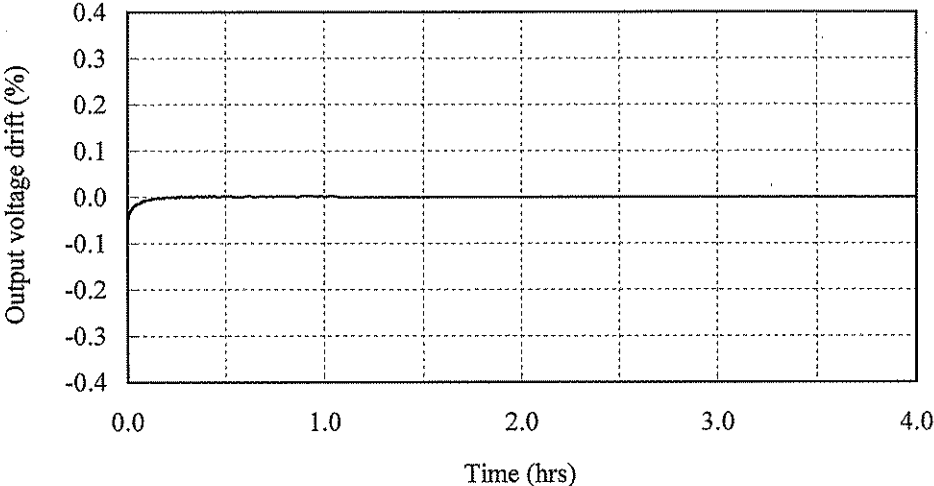
PSD3-48-1212



2.2 通電ドリフト特性
Warm up voltage drift characteristics

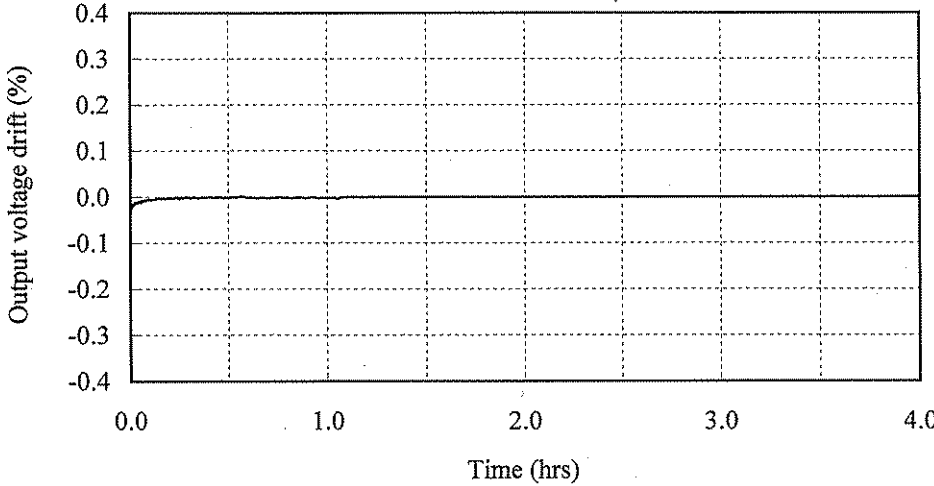
Conditions Vin : 5 VDC
Iout : 100 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 100 %
Ta : 25 °C

PSD3-12-1212

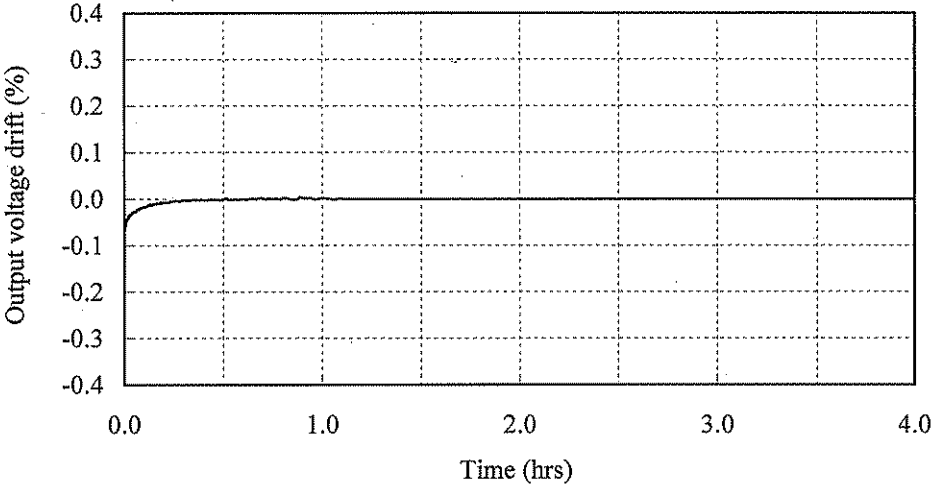


2.2 通電ドリフト特性

Warm up voltage drift characteristics

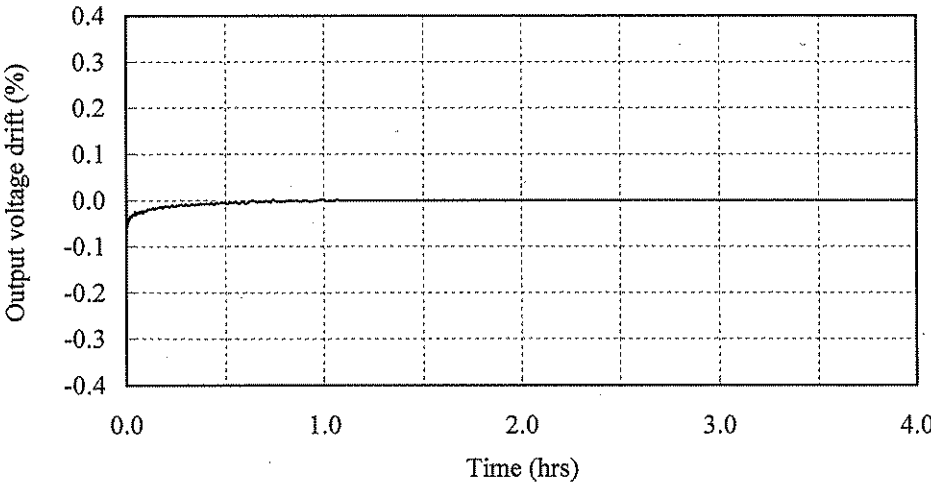
Conditions Vin : 24 VDC
Iout : 100 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

PSD3-48-1212

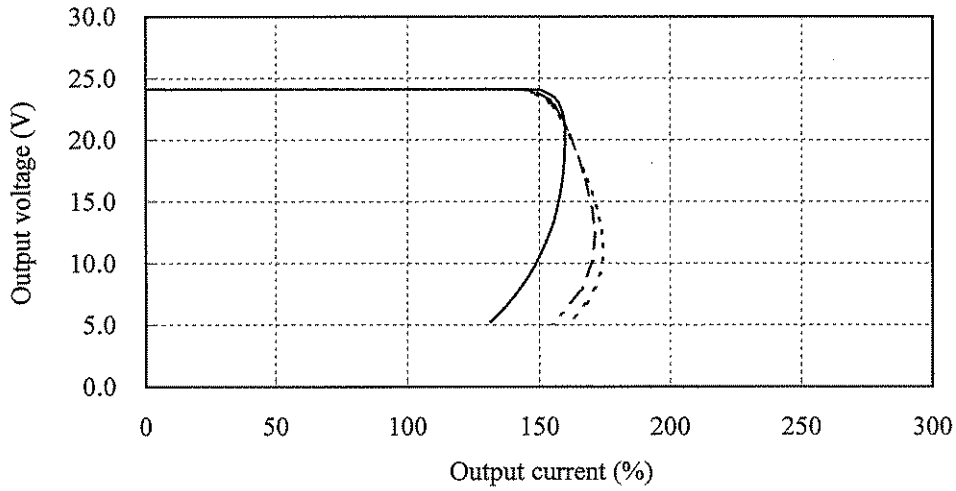


2.3 過電流保護特性

Over current protection (OCP) characteristics

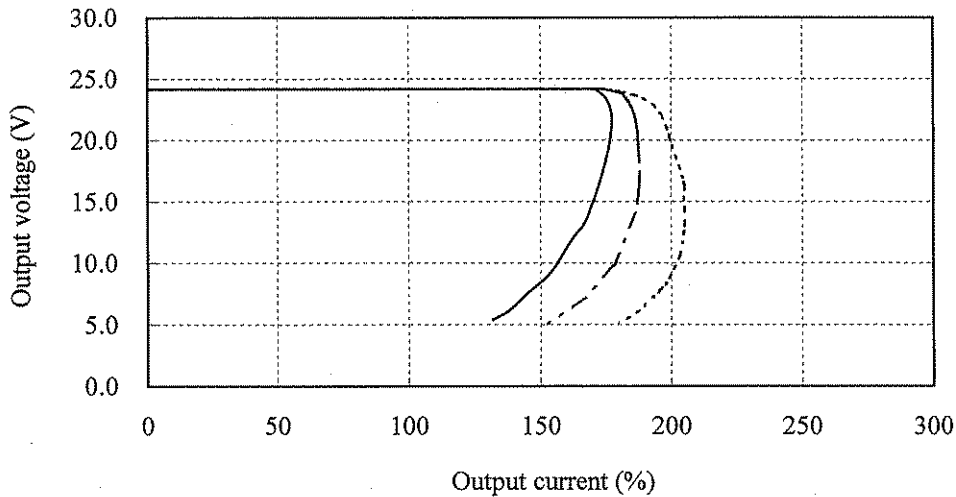
Conditions V_{in} : 4.5 VDC -----
 5 VDC -----
 9 VDC -----
 T_a : 25 °C

PSD3-5-1212



Conditions V_{in} : 9 VDC -----
 12 VDC -----
 18 VDC -----
 T_a : 25 °C

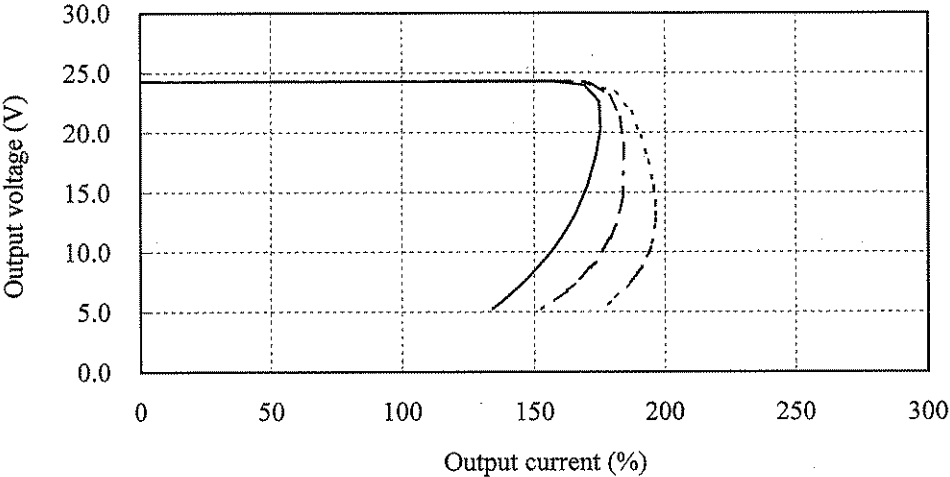
PSD3-12-1212



2.3 過電流保護特性
Over current protection (OCP) characteristics

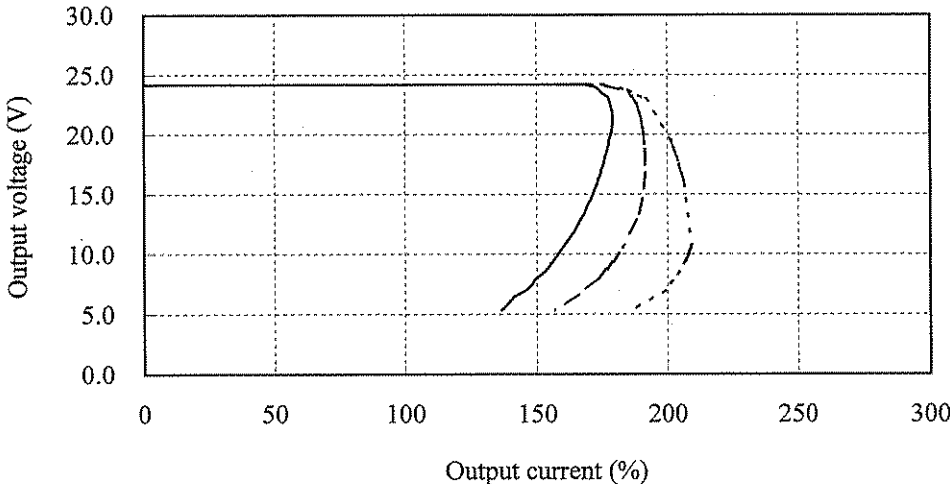
Conditions Vin : 18 VDC -----
24 VDC - - - - -
36 VDC ————
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 36 VDC -----
48 VDC - - - - -
76 VDC ————
Ta : 25 °C

PSD3-48-1212



2.3 過電流保護特性

Over current protection (OCP) characteristics

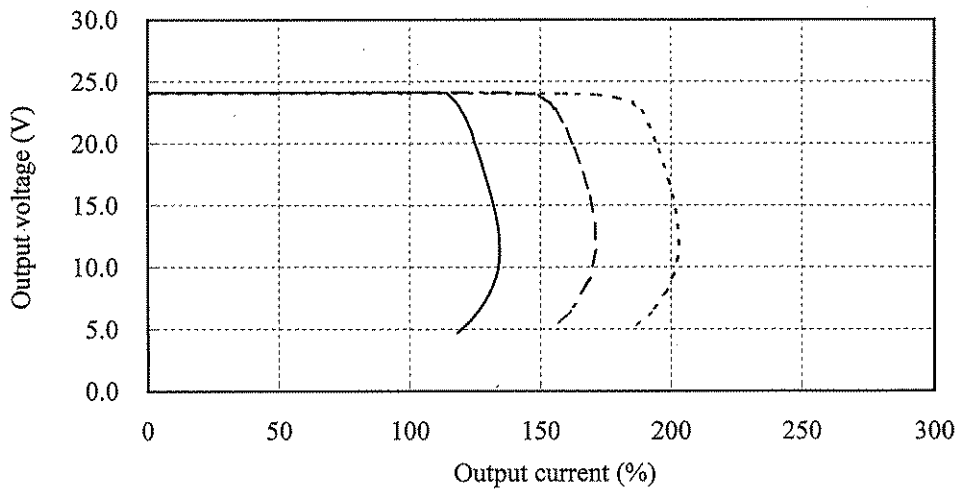
Conditions Vin : 5 VDC

Ta : -40 °C -----

25 °C - - - - -

85 °C _____

PSD3-5-1212



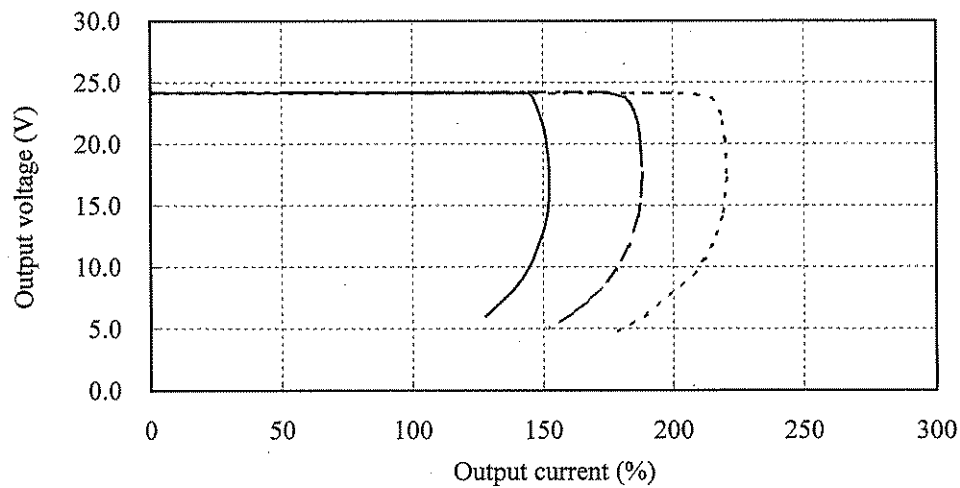
Conditions Vin : 12 VDC

Ta : -40 °C -----

25 °C - - - - -

85 °C _____

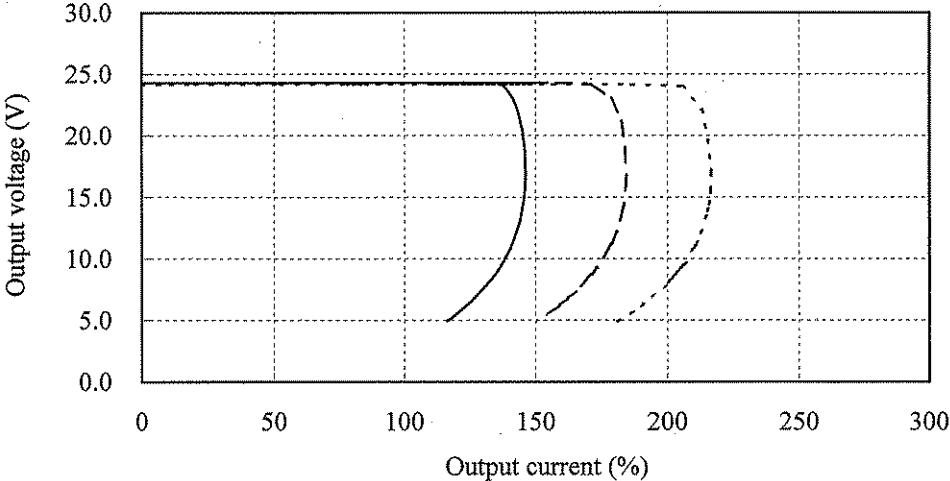
PSD3-12-1212



2.3 過電流保護特性
Over current protection (OCP) characteristics

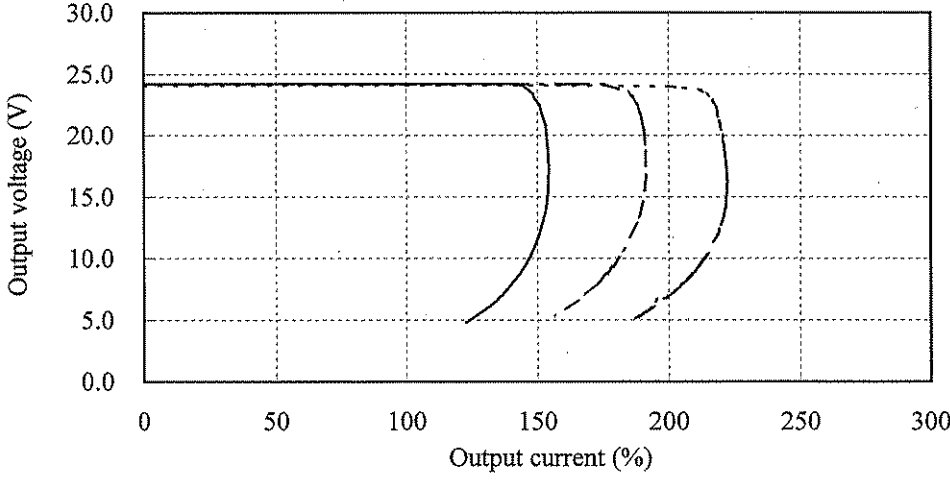
Conditions Vin : 24 VDC
Ta : -40 °C -----
25 °C - - - - -
85 °C ————

PSD3-24-1212



Conditions Vin : 48 VDC
Ta : -40 °C -----
25 °C - - - - -
85 °C ————

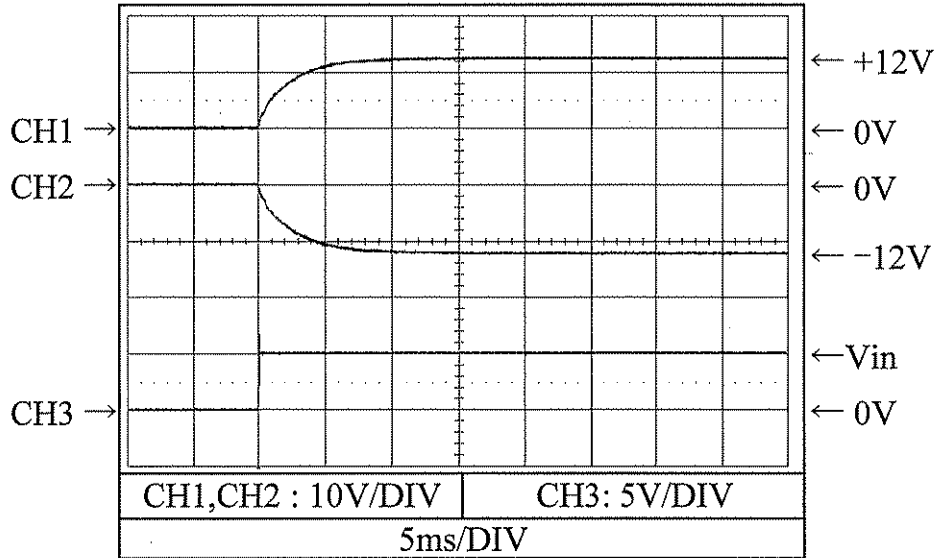
PSD3-48-1212



2.4 出力立ち上がり特性
Output rise characteristics

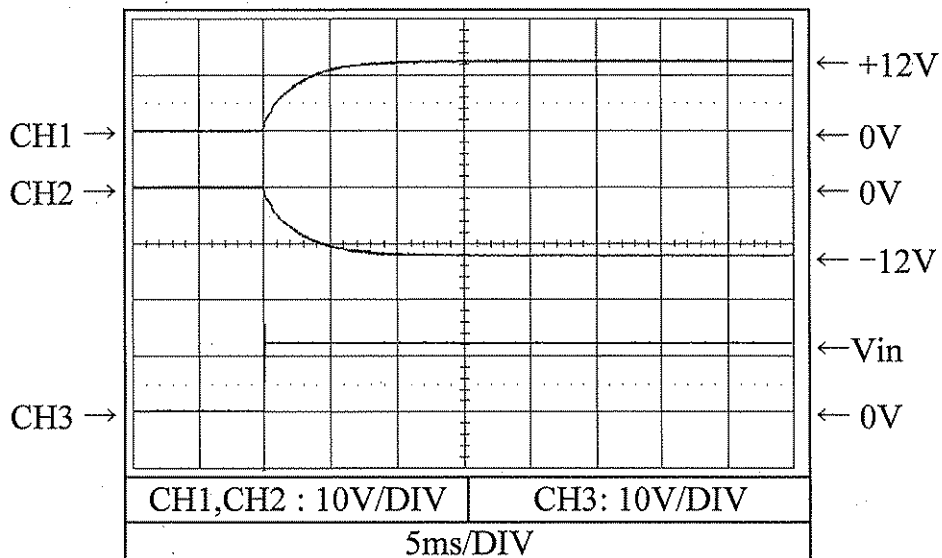
Conditions V_{in} : 5 VDC
 I_{out} : 0 %
 T_a : 25 °C

PSD3-5-1212



Conditions V_{in} : 12 VDC
 I_{out} : 0 %
 T_a : 25 °C

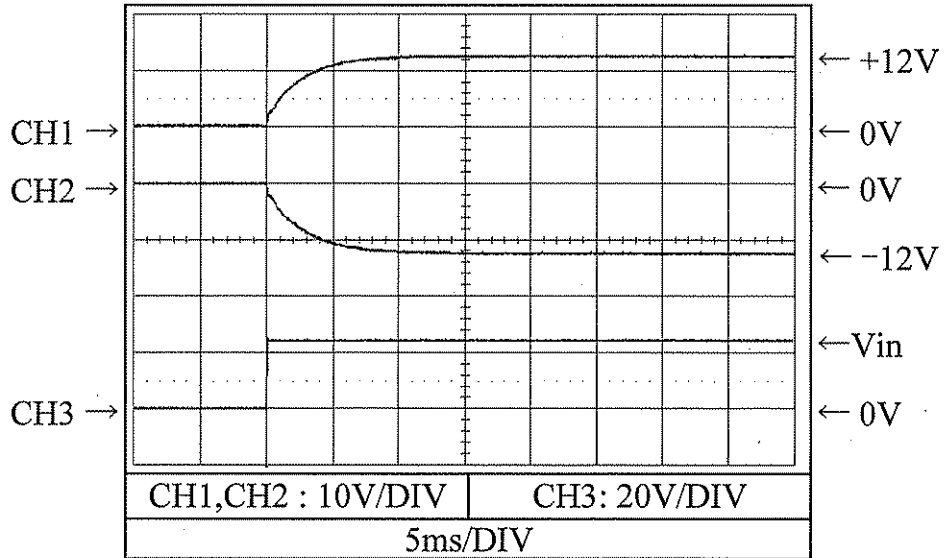
PSD3-12-1212



2.4 出力立ち上がり特性
Output rise characteristics

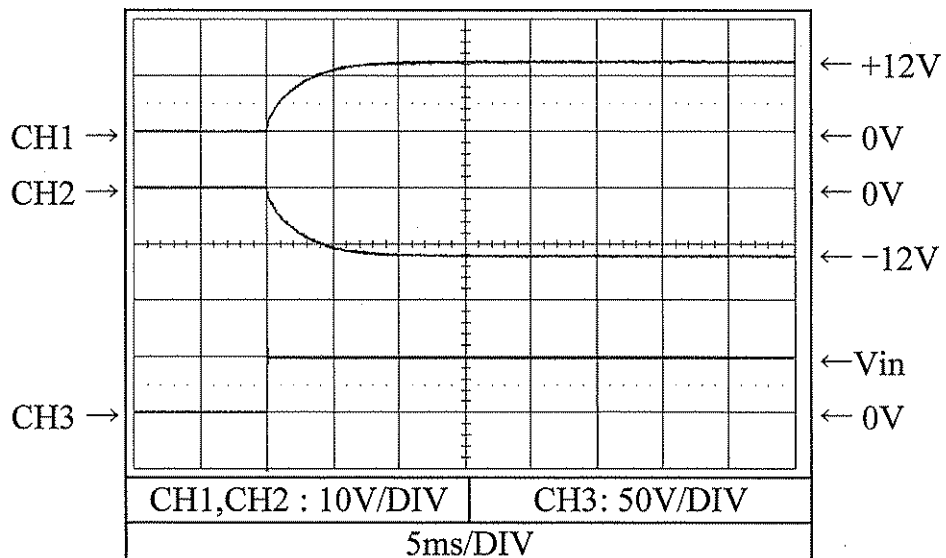
Conditions V_{in} : 24 VDC
 I_{out} : 0 %
 T_a : 25 °C

PSD3-24-1212



Conditions V_{in} : 48 VDC
 I_{out} : 0 %
 T_a : 25 °C

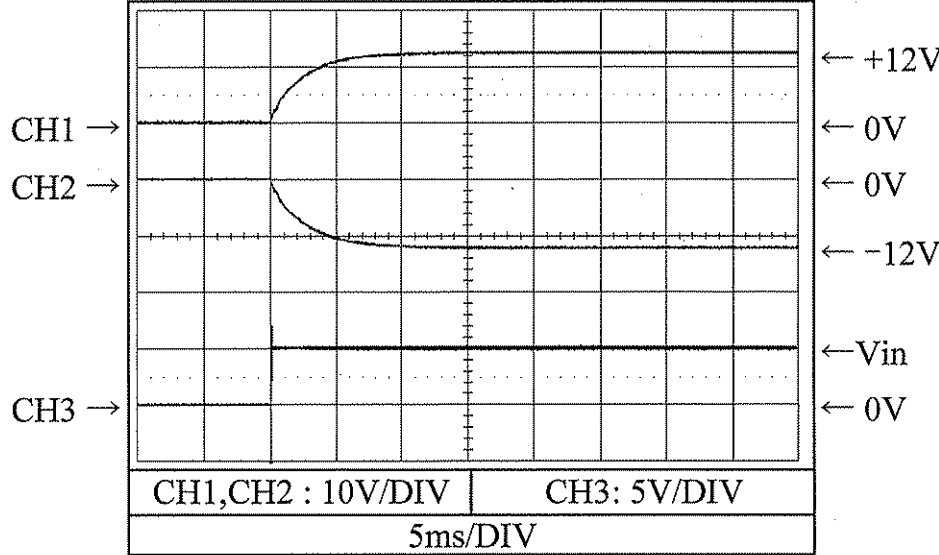
PSD3-48-1212



2.4 出力立ち上がり特性
Output rise characteristics

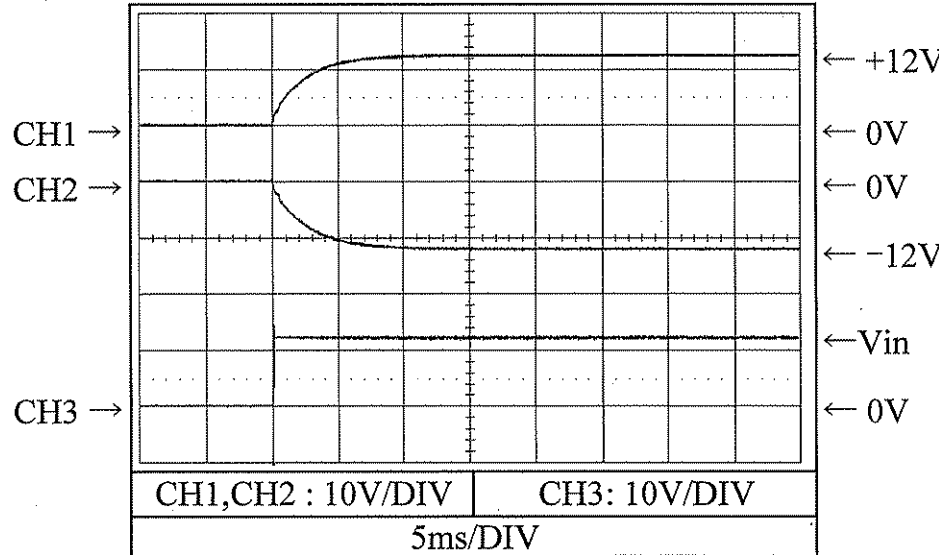
Conditions V_{in} : 5 VDC
 I_{out} : 100 %
 T_a : 25 °C

PSD3-5-1212



Conditions V_{in} : 12 VDC
 I_{out} : 100 %
 T_a : 25 °C

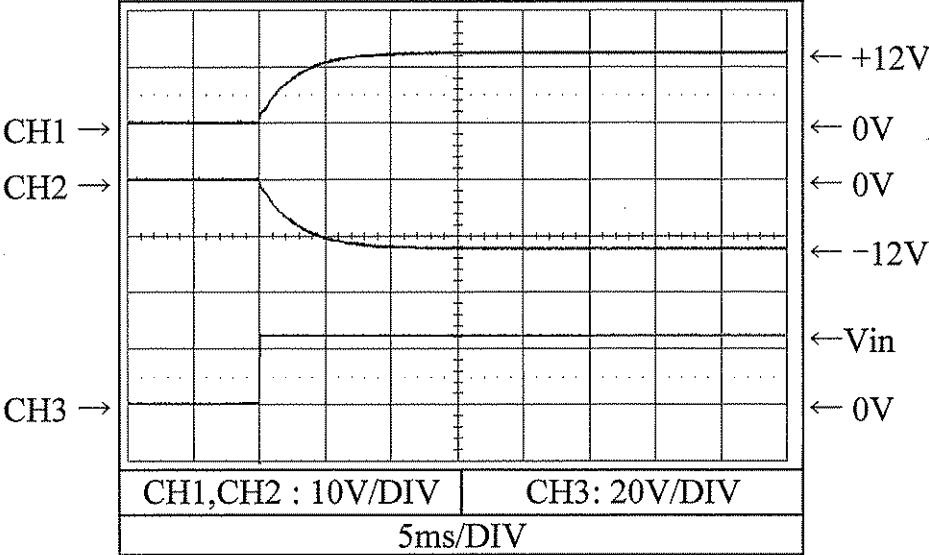
PSD3-12-1212



2.4 出力立ち上がり特性
Output rise characteristics

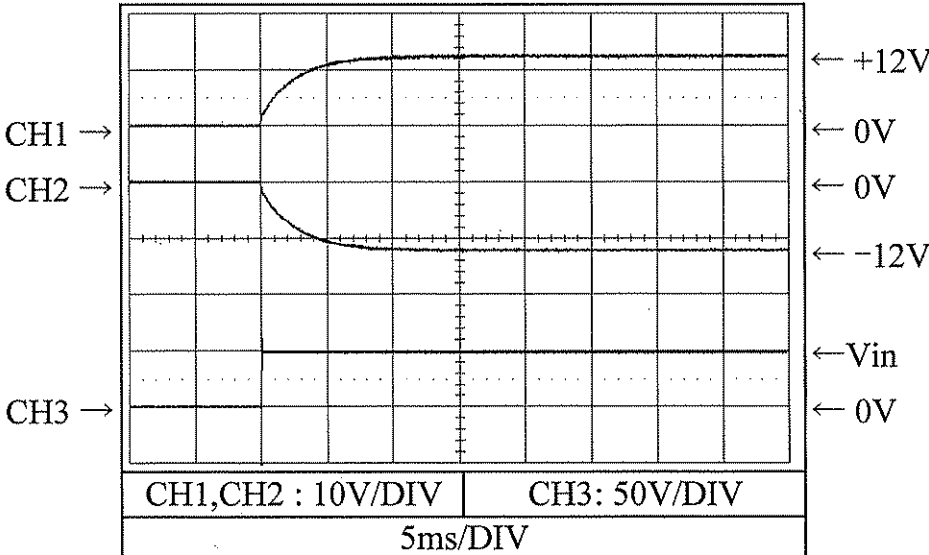
Conditions Vin : 24 VDC
Iout : 100 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

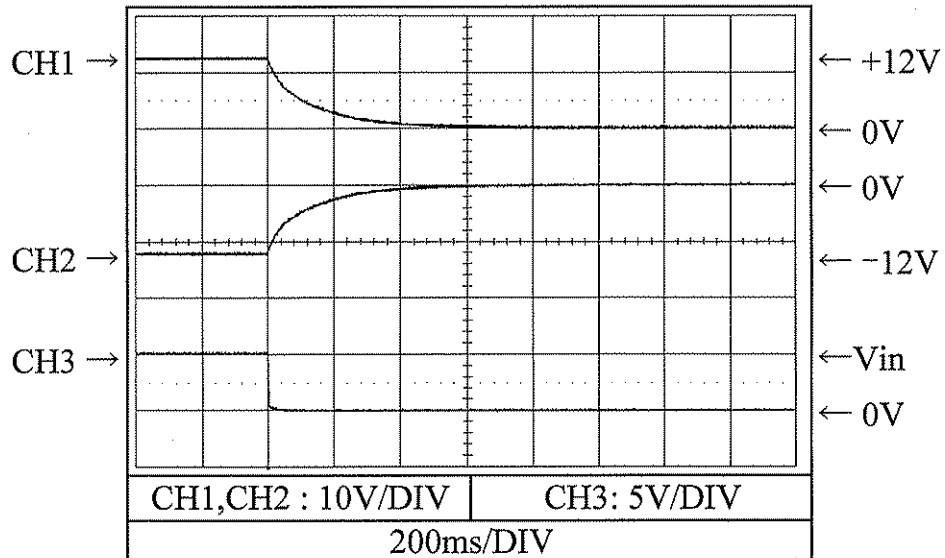
PSD3-48-1212



2.5 出力立ち下がり特性
Output fall characteristics

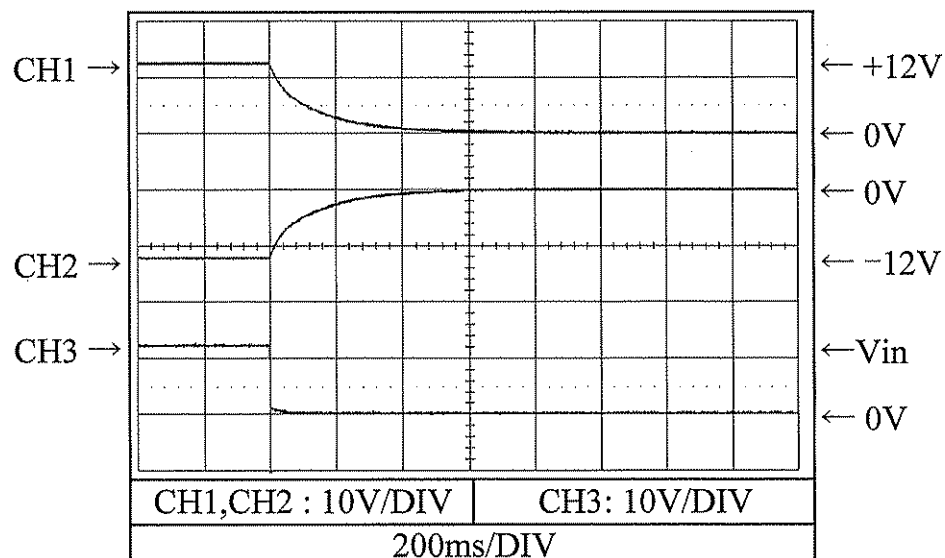
Conditions Vin : 5 VDC
Iout : 0 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 0 %
Ta : 25 °C

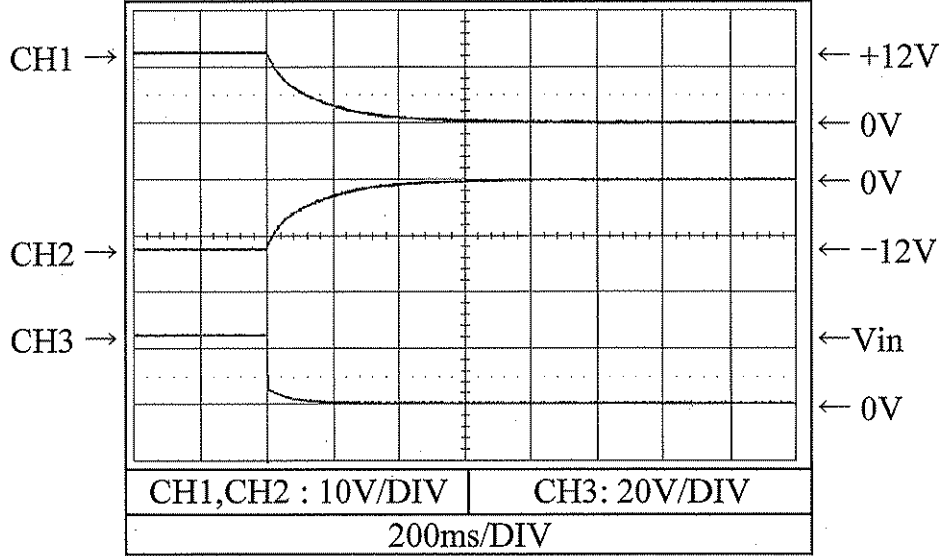
PSD3-12-1212



2.5 出力立ち下がり特性
Output fall characteristics

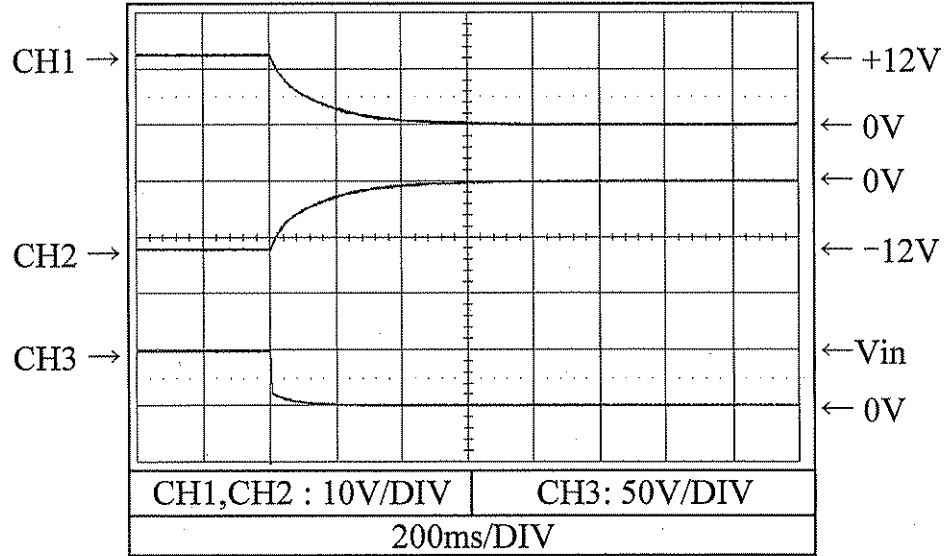
Conditions Vin : 24 VDC
Iout : 0 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 0 %
Ta : 25 °C

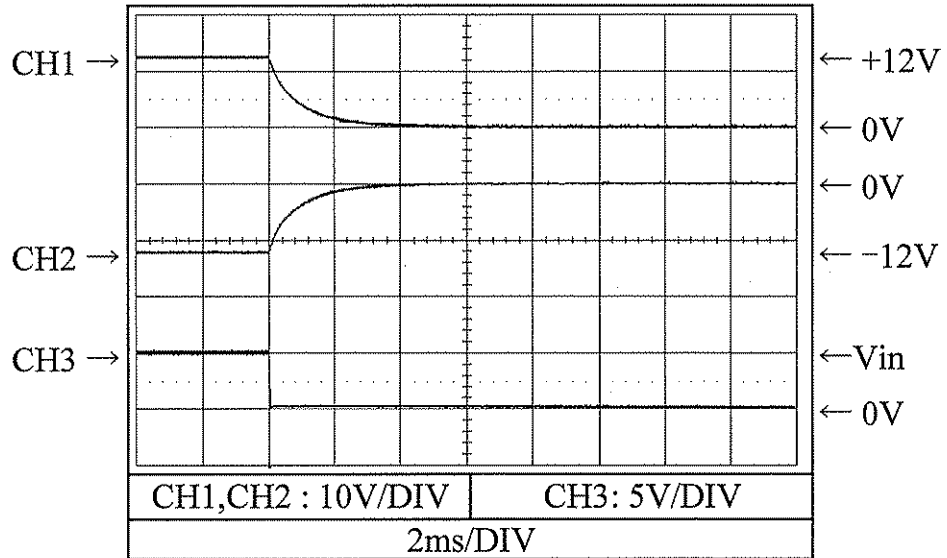
PSD3-48-1212



2.5 出力立ち下がり特性
Output fall characteristics

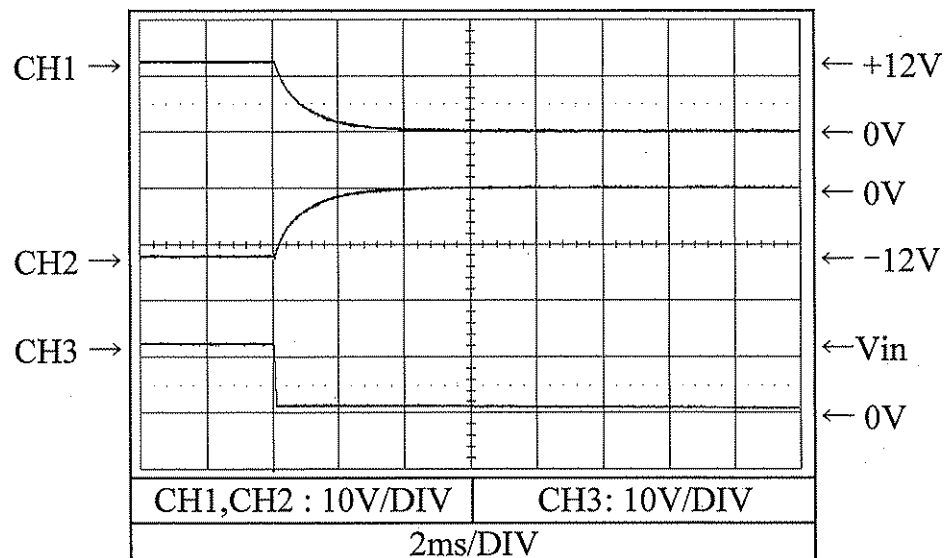
Conditions V_{in} : 5 VDC
 I_{out} : 100 %
 T_a : 25 °C

PSD3-5-1212



Conditions V_{in} : 12 VDC
 I_{out} : 100 %
 T_a : 25 °C

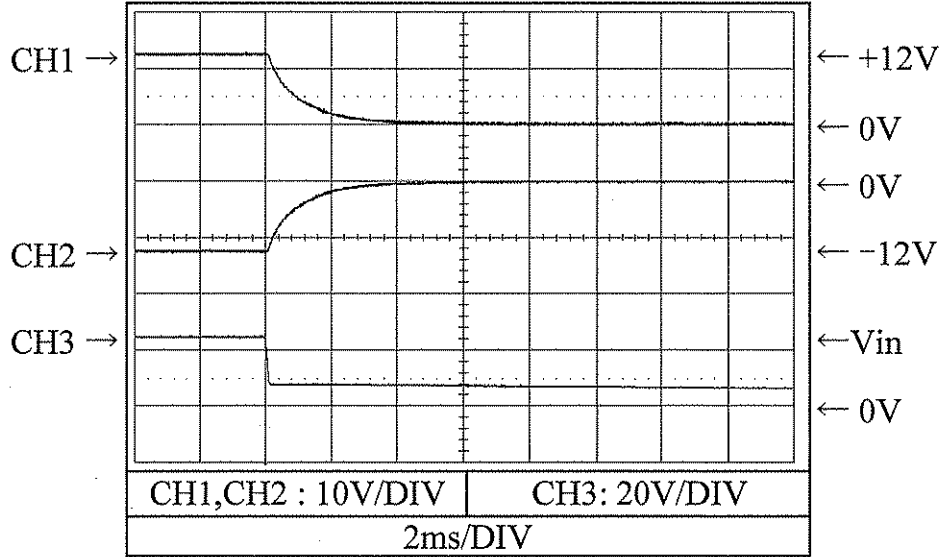
PSD3-12-1212



2.5 出力立ち下がり特性
Output fall characteristics

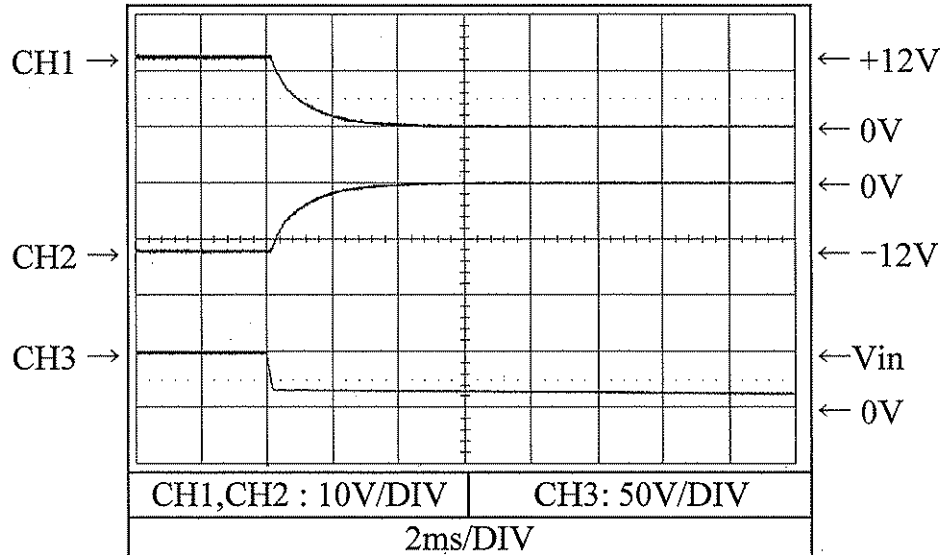
Conditions V_{in} : 24 VDC
 I_{out} : 100 %
 T_a : 25 °C

PSD3-24-1212



Conditions V_{in} : 48 VDC
 I_{out} : 100 %
 T_a : 25 °C

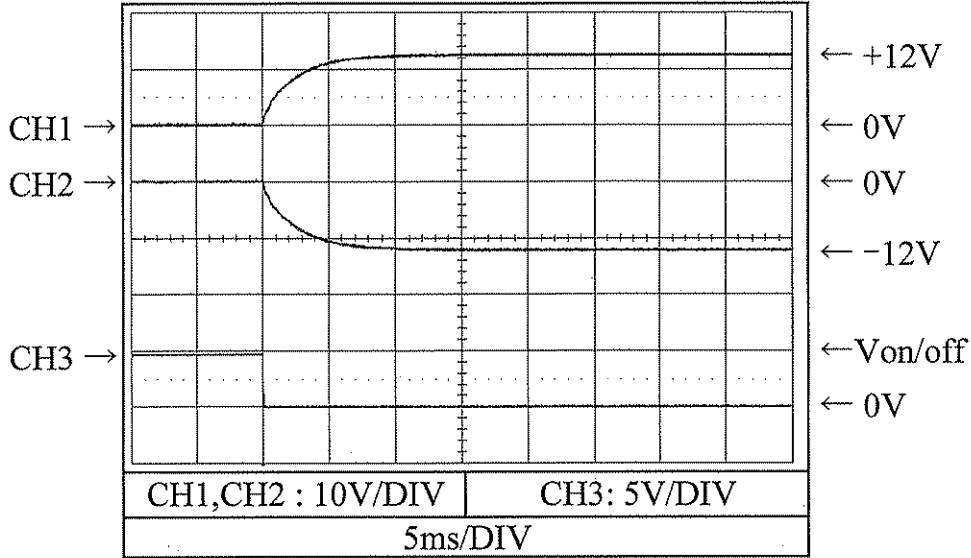
PSD3-48-1212



2.6 出力立ち上がり特性 (ON/OFFコントロール時)
Output rise characteristics with ON/OFF CONTROL

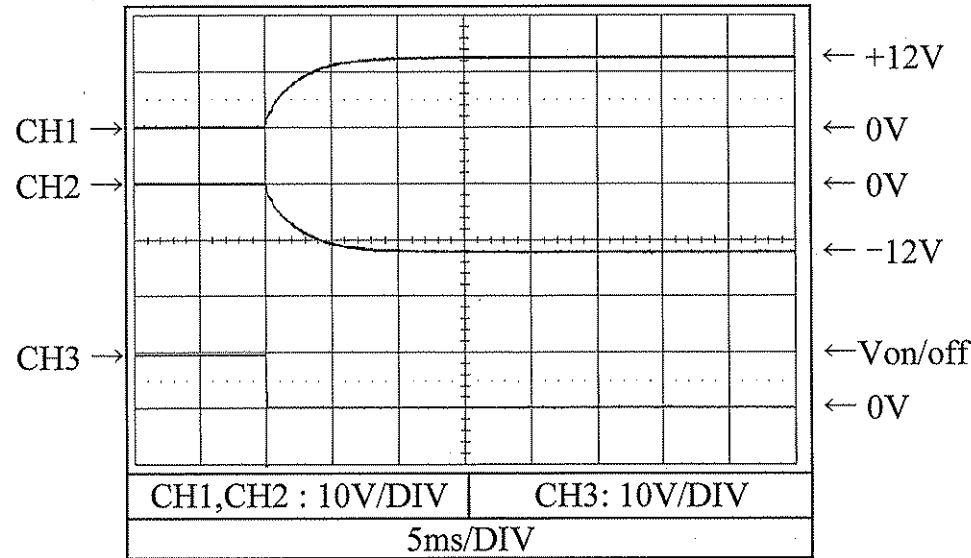
Conditions Vin : 5 VDC
Iout : 0 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 0 %
Ta : 25 °C

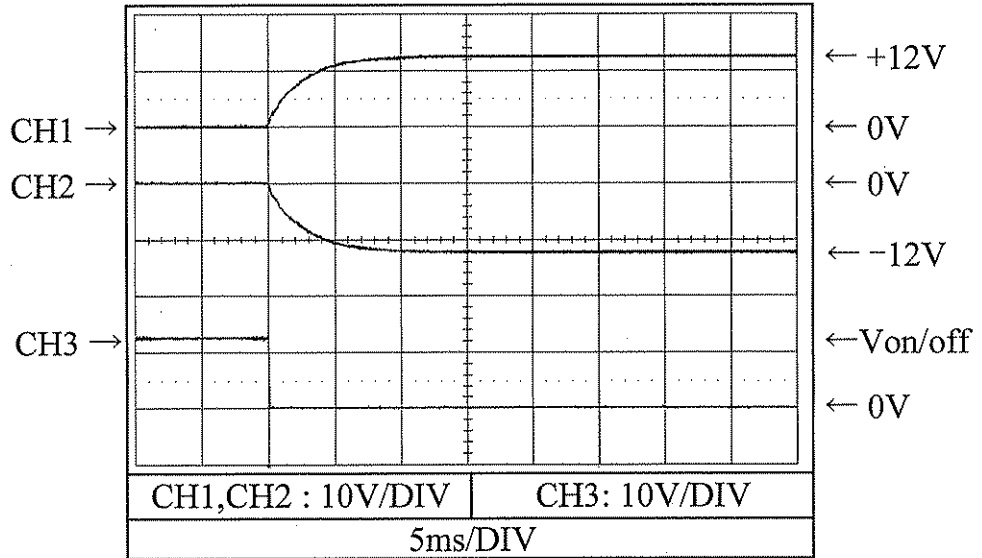
PSD3-12-1212



2.6 出力立ち上がり特性 (ON/OFFコントロール時)
Output rise characteristics with ON/OFF CONTROL

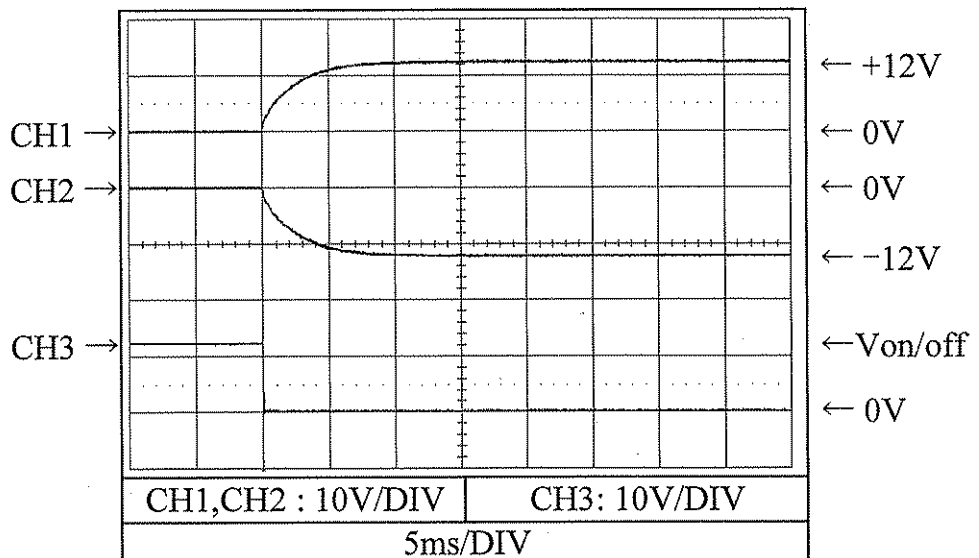
Conditions Vin : 24 VDC
Iout : 0 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 0 %
Ta : 25 °C

PSD3-48-1212

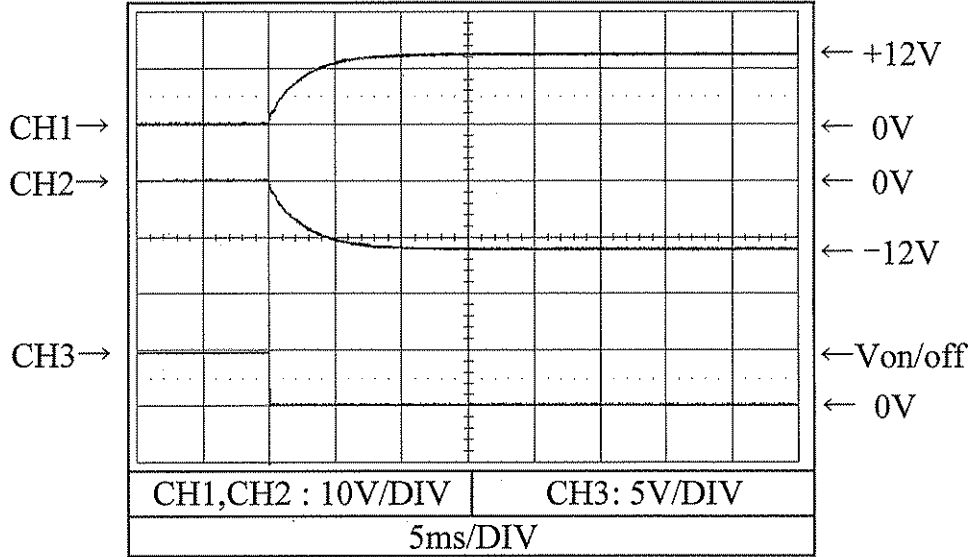


PSD3-* -1212

2.6 出力立ち上がり特性 (ON/OFFコントロール時)
Output rise characteristics with ON/OFF CONTROL

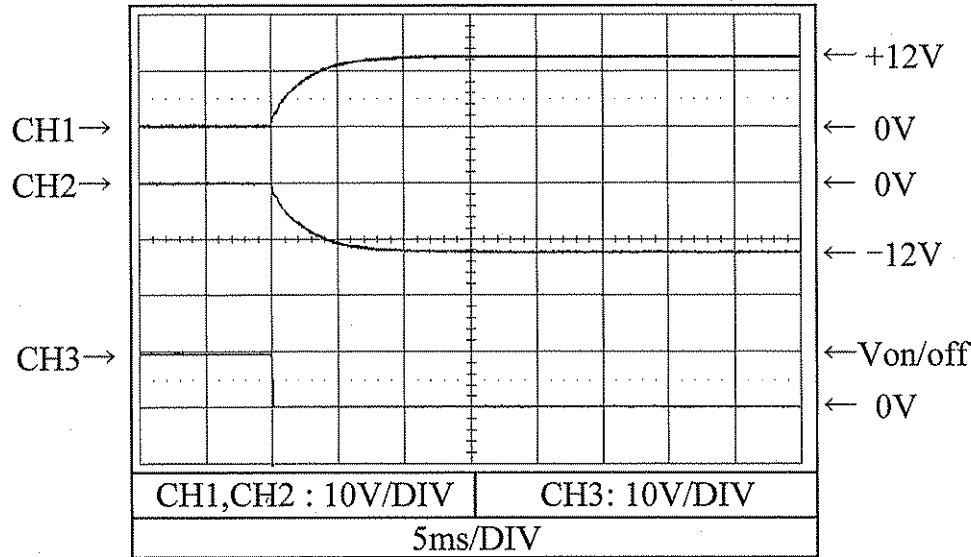
Conditions Vin : 5 VDC
Iout : 100 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 100 %
Ta : 25 °C

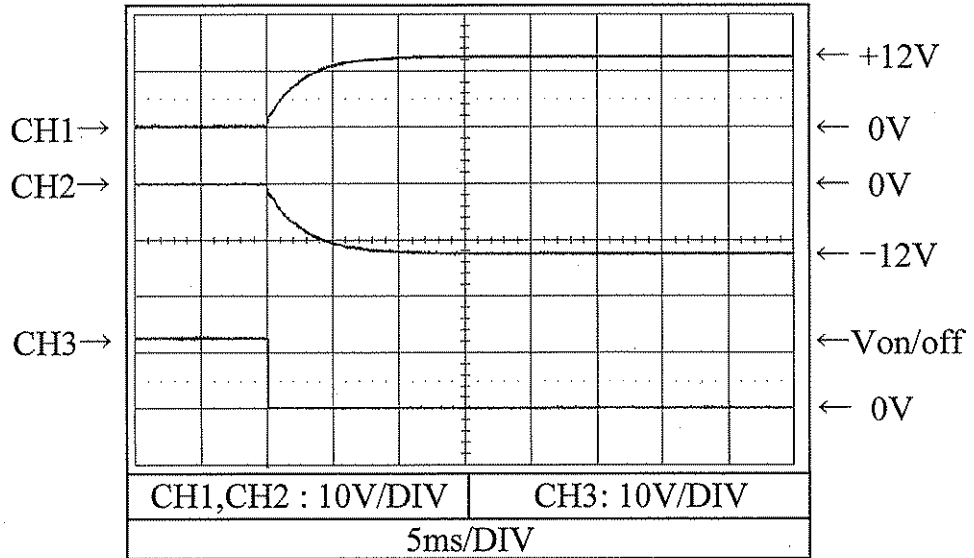
PSD3-12-1212



2.6 出力立ち上がり特性 (ON/OFFコントロール時)
Output rise characteristics with ON/OFF CONTROL

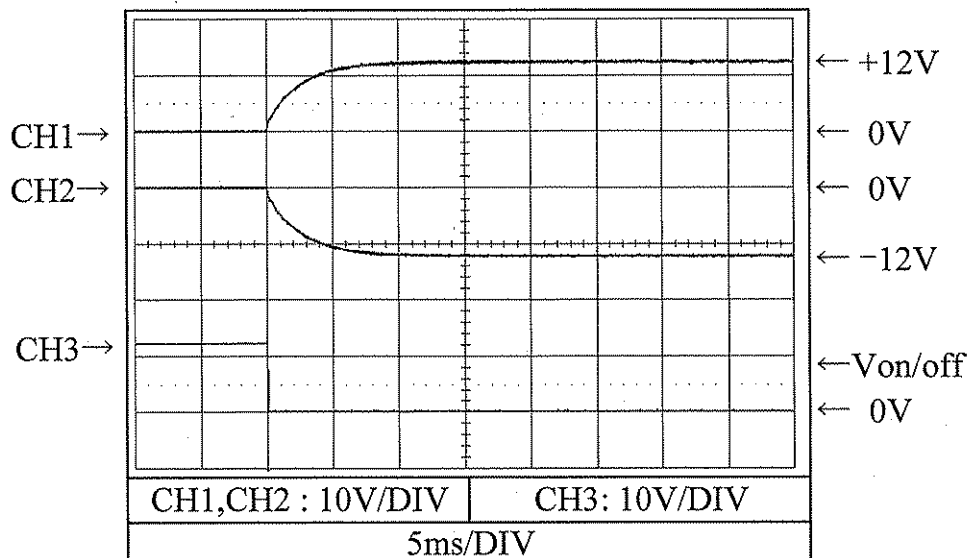
Conditions Vin : 24 VDC
Iout : 100 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

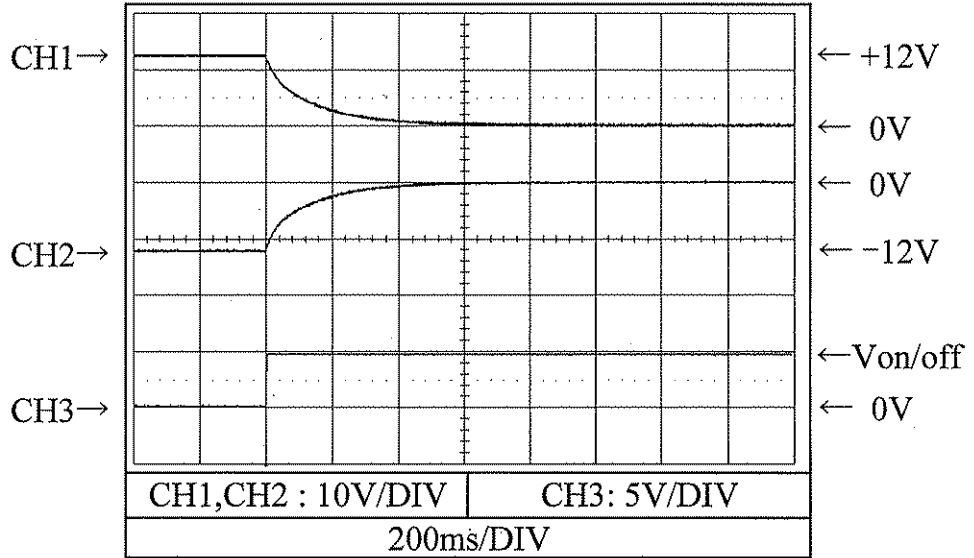
PSD3-48-1212



2.7 出力立ち下がり特性 (ON/OFFコントロール時)
Output fall characteristics with ON/OFF CONTROL

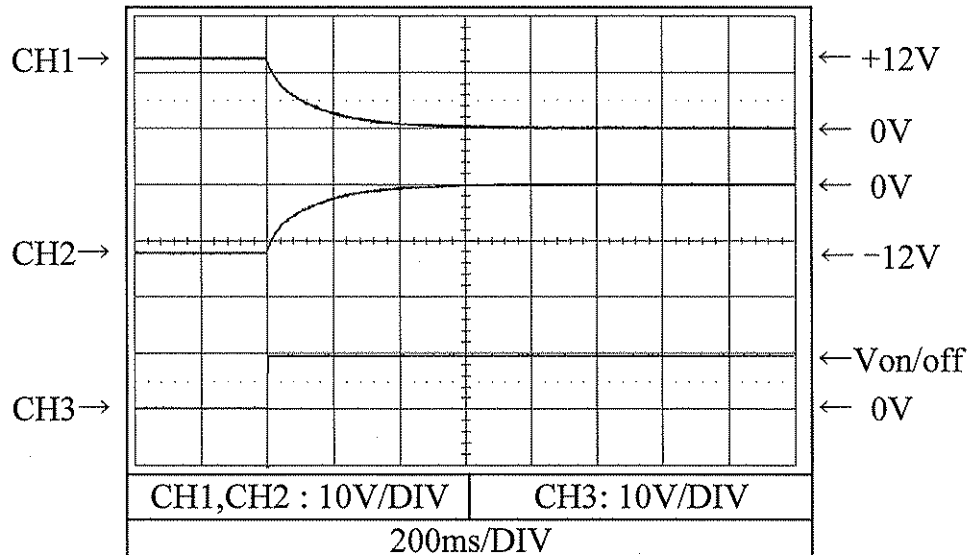
Conditions Vin : 5 VDC
Iout : 0 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 0 %
Ta : 25 °C

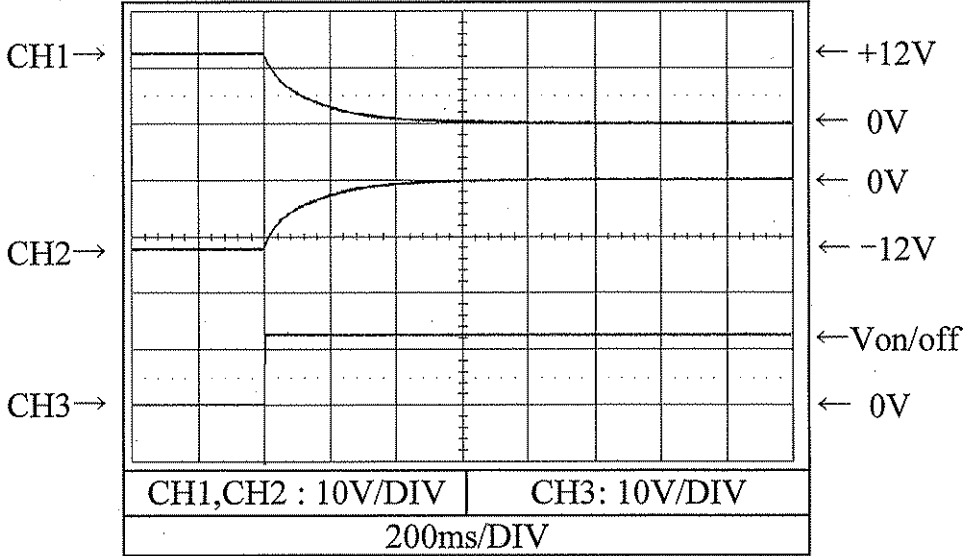
PSD3-12-1212



2.7 出力立ち下がり特性 (ON/OFFコントロール時)
Output fall characteristics with ON/OFF CONTROL

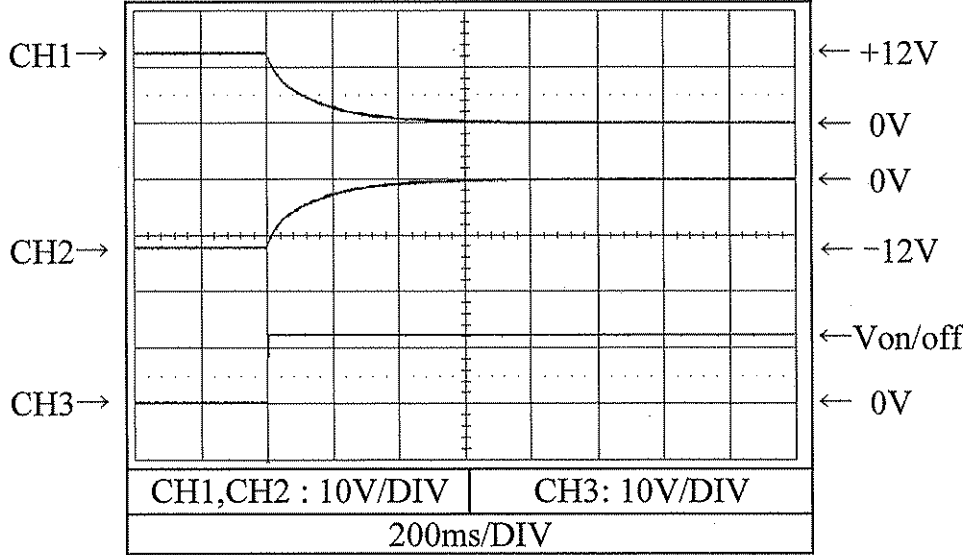
Conditions Vin : 24 VDC
Iout : 0 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 0 %
Ta : 25 °C

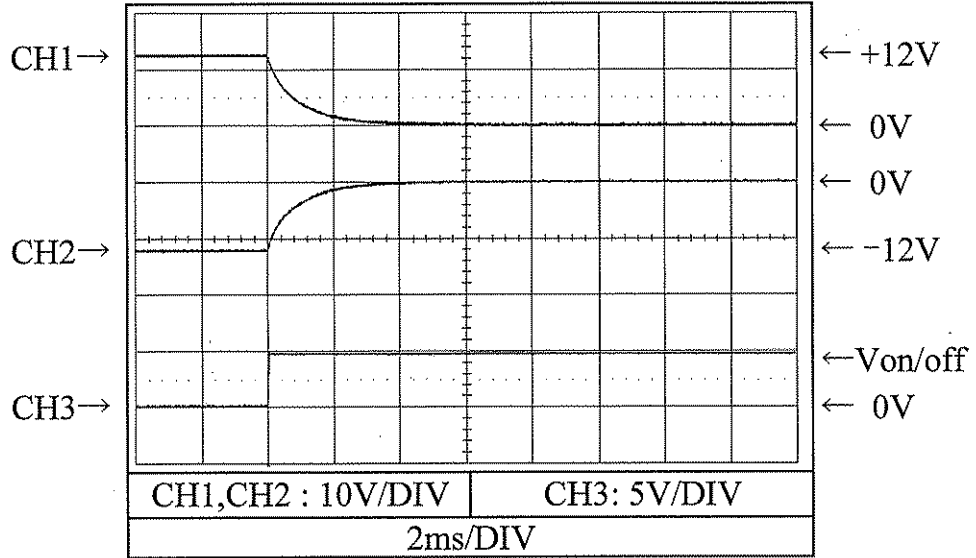
PSD3-48-1212



2.7 出力立ち下がり特性 (ON/OFFコントロール時)
Output fall characteristics with ON/OFF CONTROL

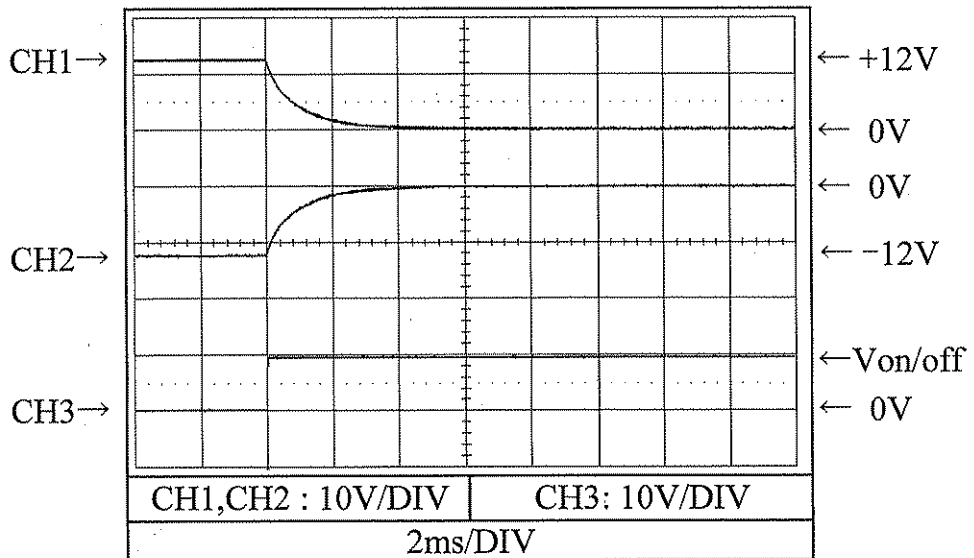
Conditions Vin : 5 VDC
Iout : 100 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 12 VDC
Iout : 100 %
Ta : 25 °C

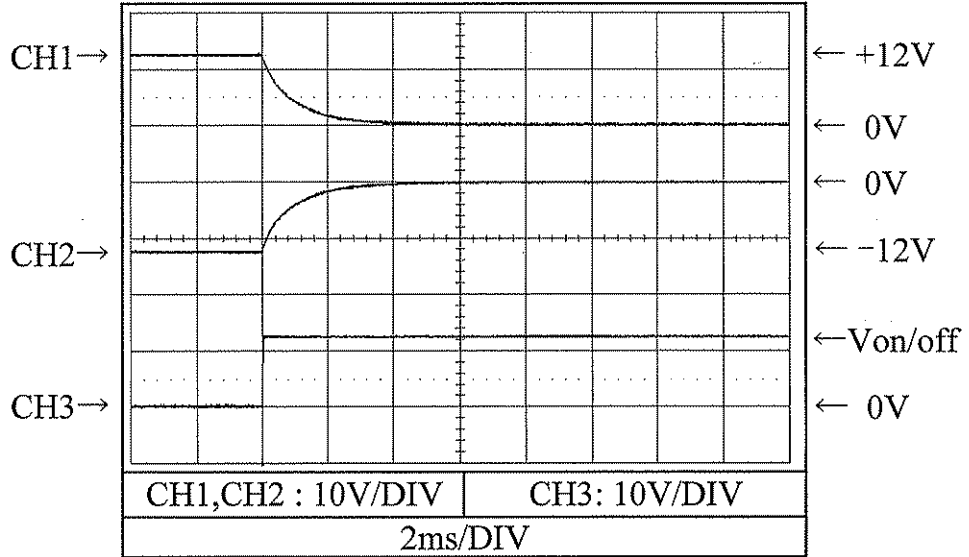
PSD3-12-1212



2.7 出力立ち下がり特性 (ON/OFFコントロール時)
Output fall characteristics with ON/OFF CONTROL

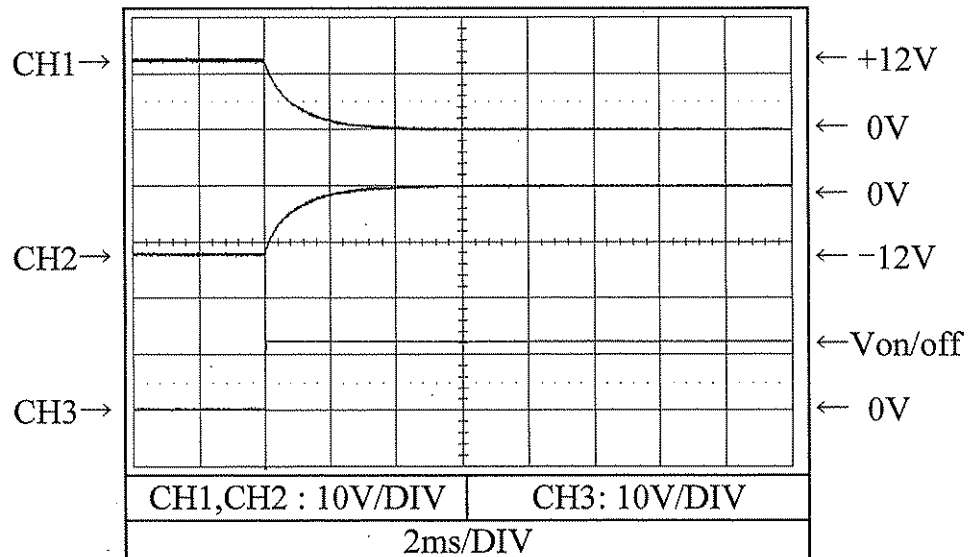
Conditions Vin : 24 VDC
Iout : 100 %
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

PSD3-48-1212

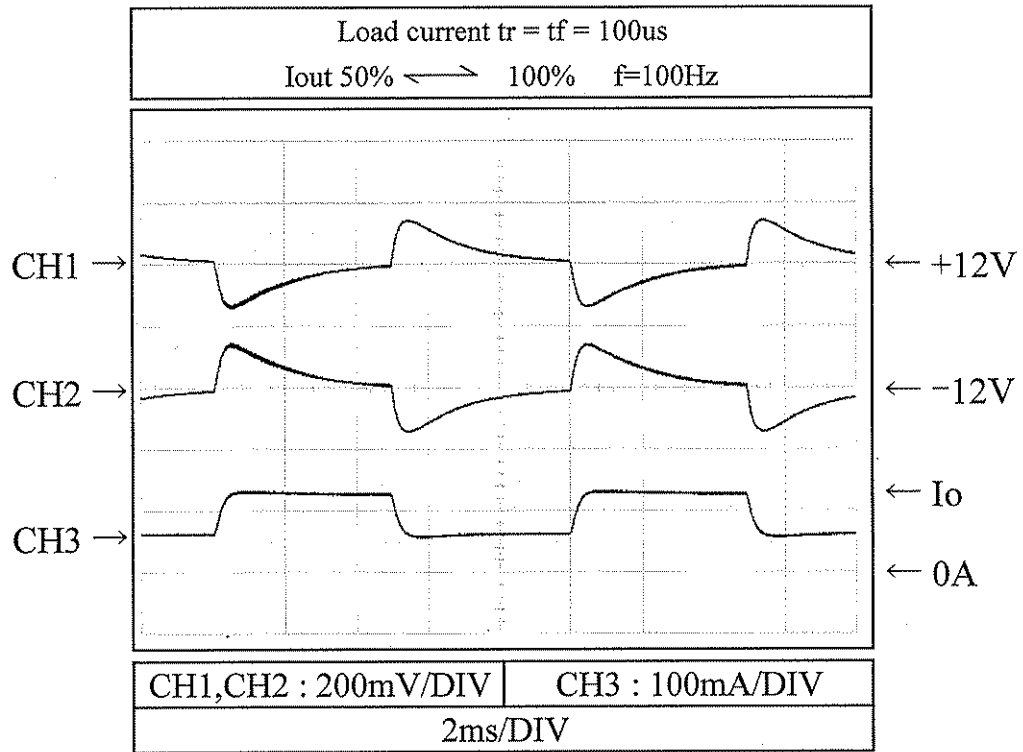


2.8 過渡応答 (負荷急変) 特性
Dynamic load response characteristics

PSD3-* -1212

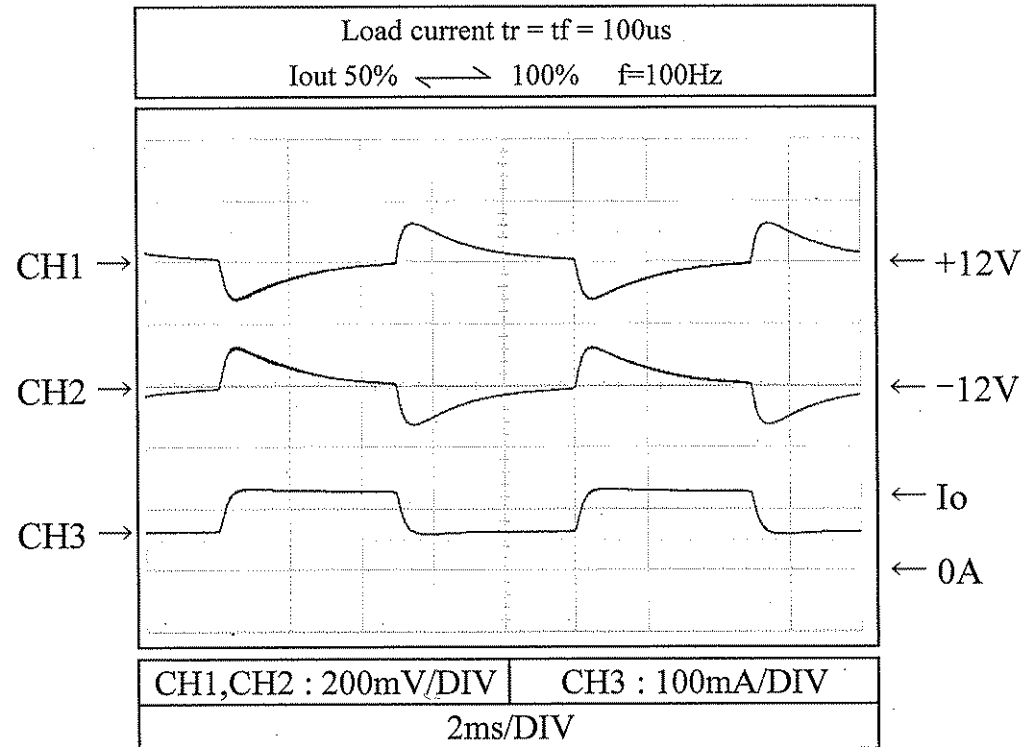
Conditions V_{in} : 5 VDC
 T_a : 25 °C

PSD3-5-1212



Conditions V_{in} : 12 VDC
 T_a : 25 °C

PSD3-12-1212

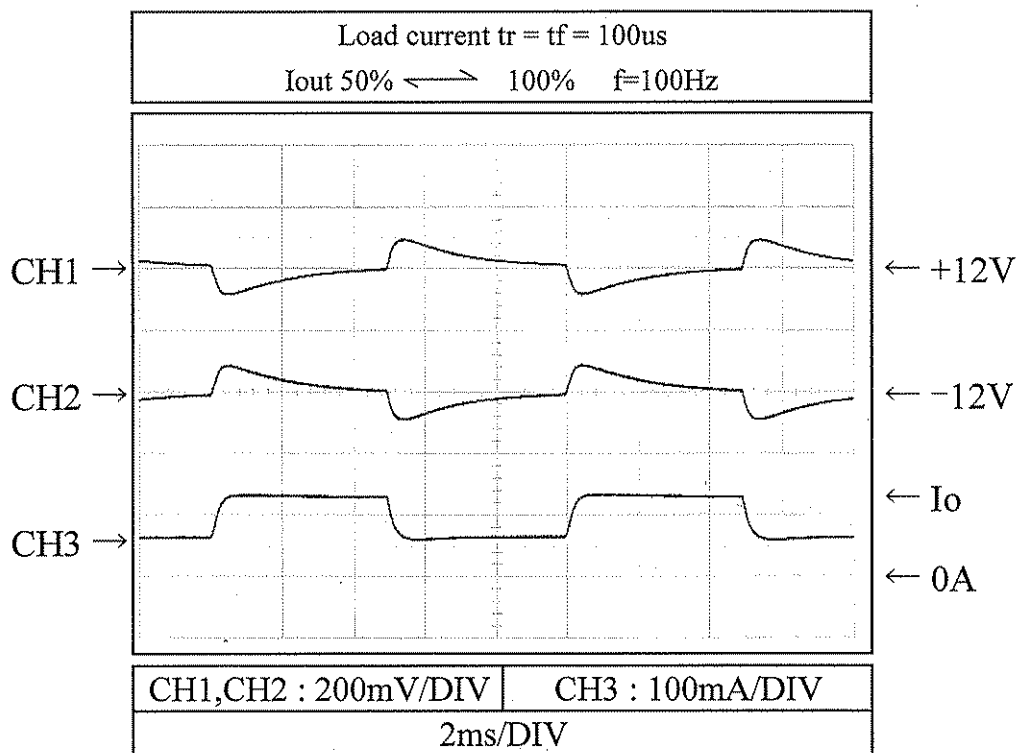


2.8 過渡応答（負荷急変）特性
Dynamic load response characteristics

PSD3-* -1212

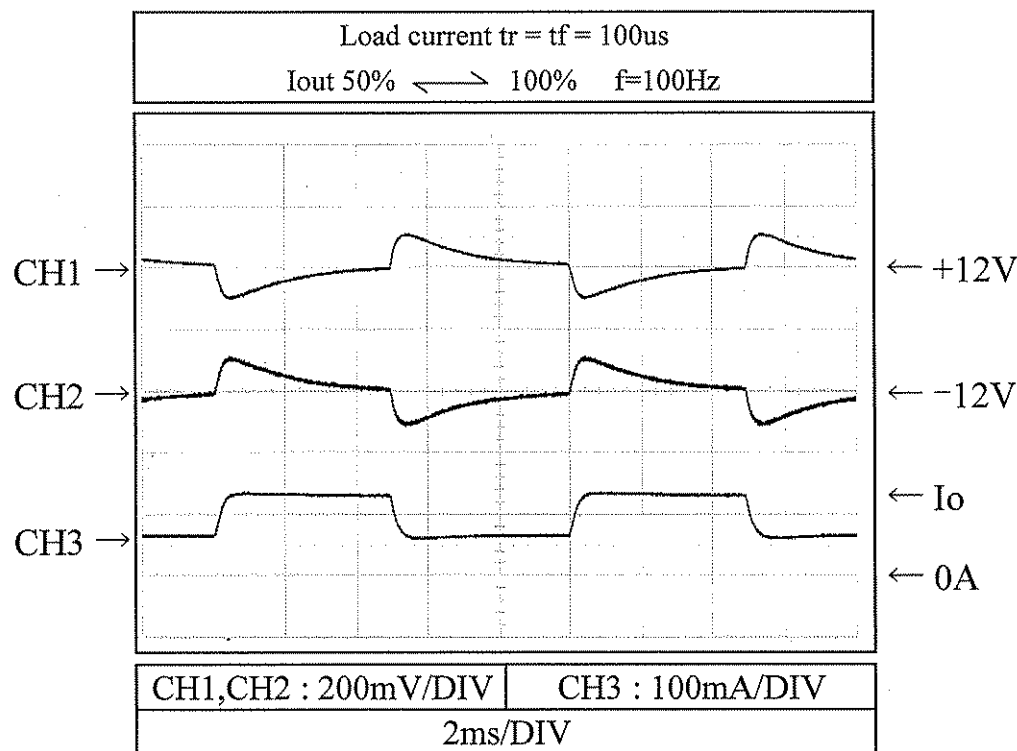
Conditions Vin : 24 VDC
Ta : 25 °C

PSD3-24-1212



Conditions Vin : 48 VDC
Ta : 25 °C

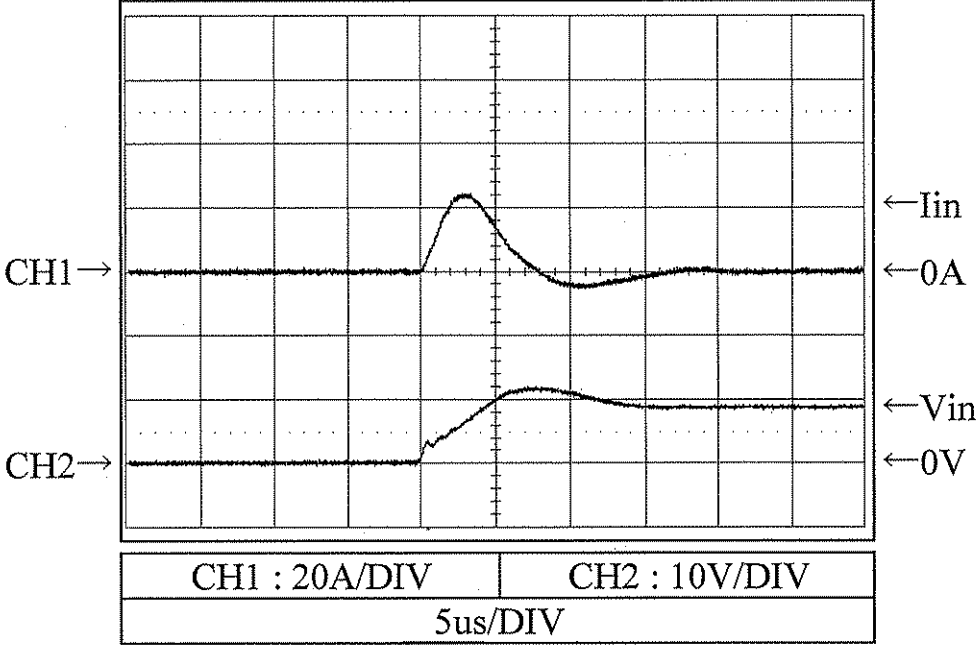
PSD3-48-1212



2.9 入力サージ電流 (突入電流) 特性
Inrush current waveform

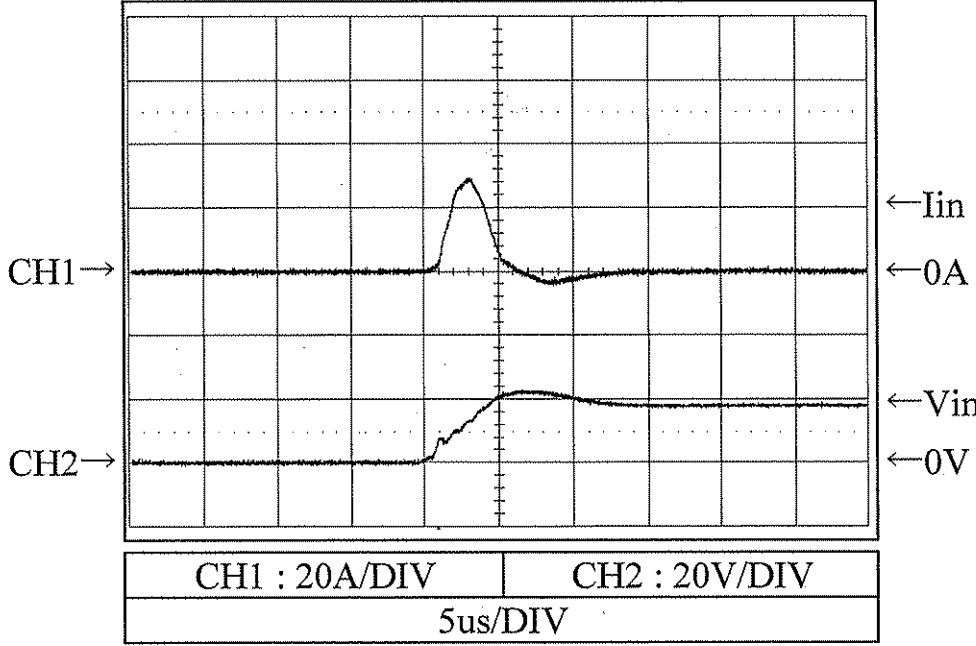
Conditions Vin : 9 VDC
Iout : 100 %
Ta : 25 °C

PSD3-5-1212



Conditions Vin : 18 VDC
Iout : 100 %
Ta : 25 °C

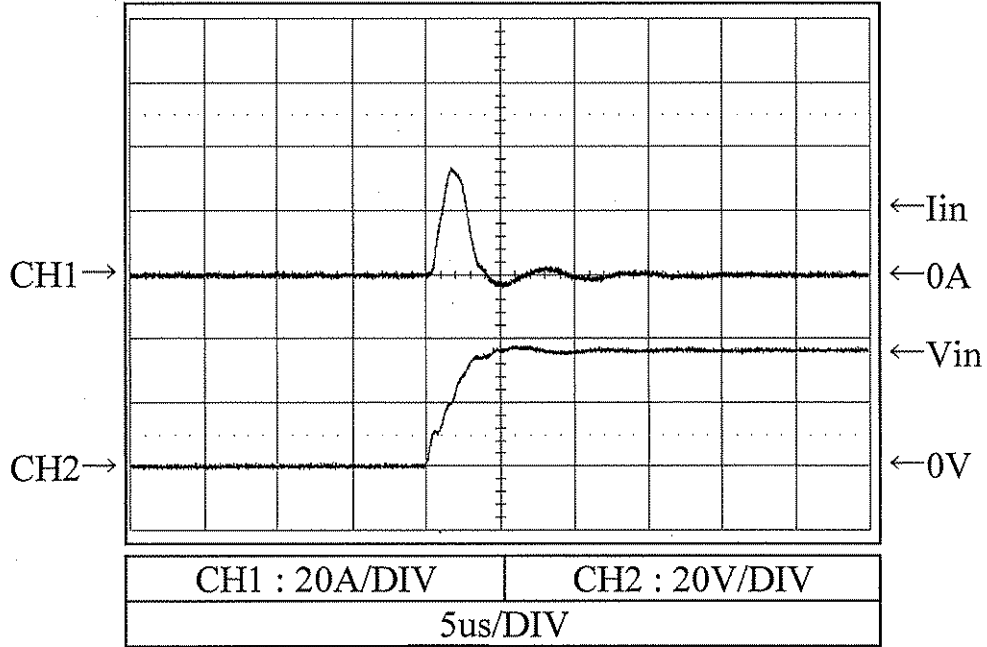
PSD3-12-1212



2.9 入力サージ電流 (突入電流) 特性
Inrush current waveform

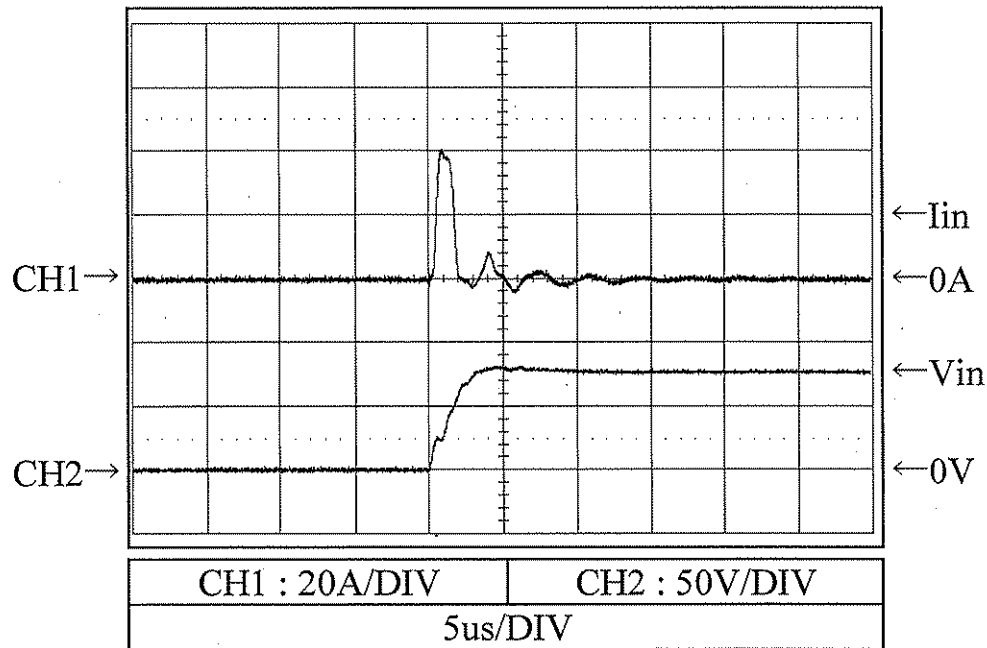
Conditions V_{in} : 36 VDC
 I_{out} : 100 %
 T_a : 25 °C

PSD3-24-1212



Conditions V_{in} : 76 VDC
 I_{out} : 100 %
 T_a : 25 °C

PSD3-48-1212

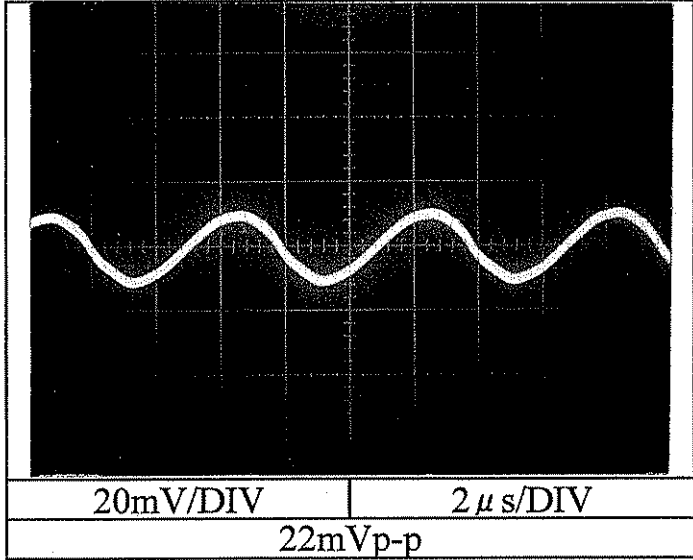


2.10 出力リップル、ノイズ波形
Output ripple and noise waveform

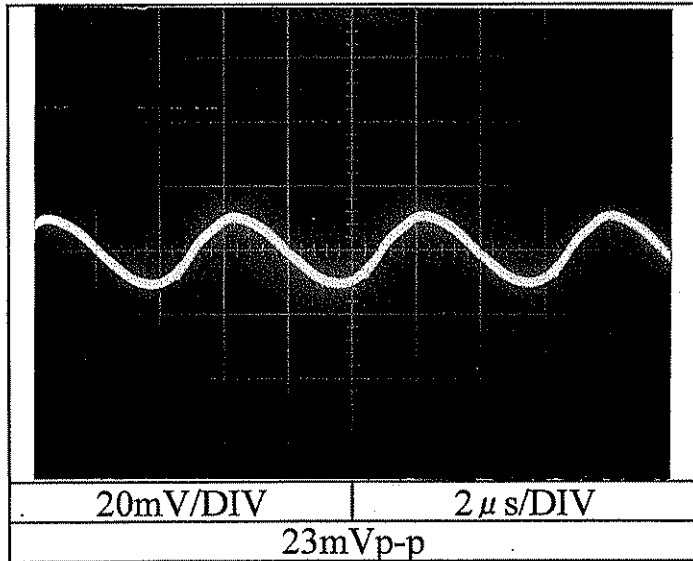
PSD3-5-1212

Conditions Vin : 5 VDC
Iout : 100 %
Ta : 25 °C

12V (CH1)



-12V (CH2)

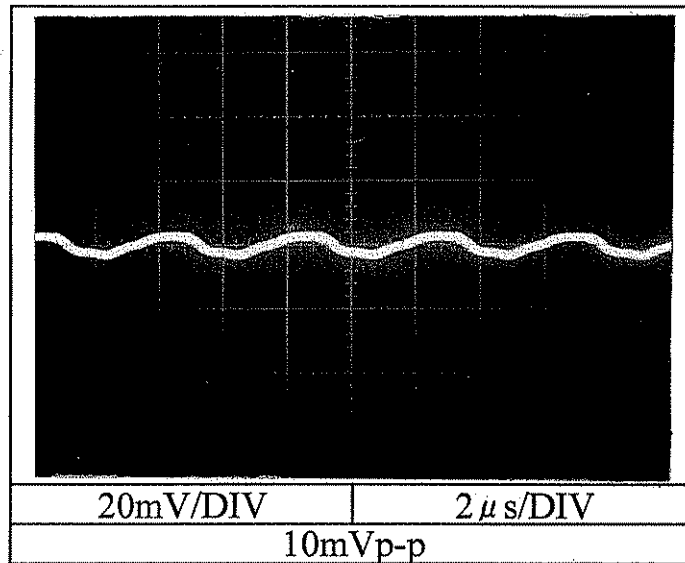


2.10 出力リップル、ノイズ波形
Output ripple and noise waveform

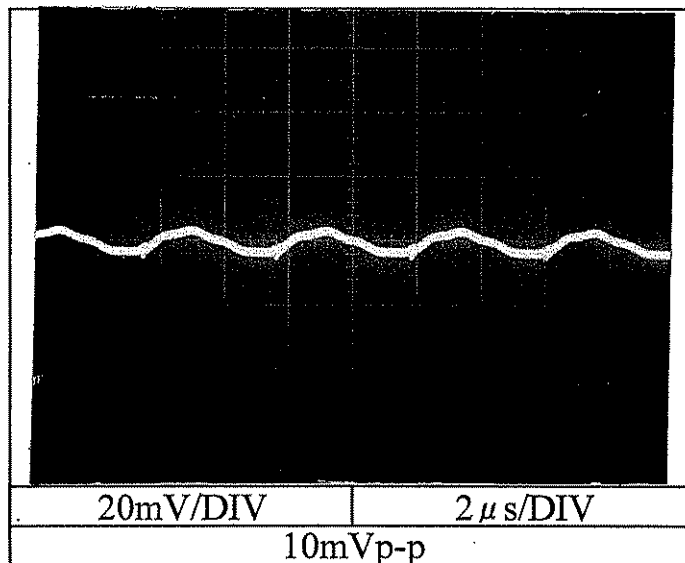
PSD3-12-1212

Conditions V_{in} : 12 VDC
 I_{out} : 100 %
 T_a : 25 °C

12V (CH1)



-12V (CH2)

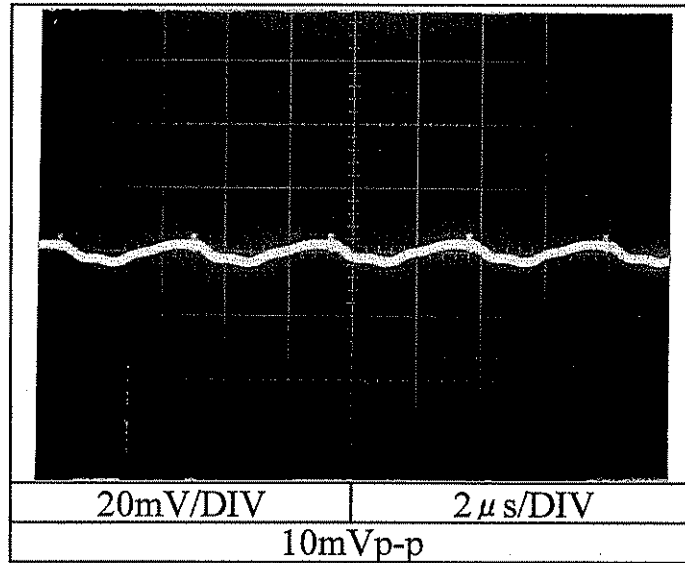


2.10 出カリップル、ノイズ波形
Output ripple and noise waveform

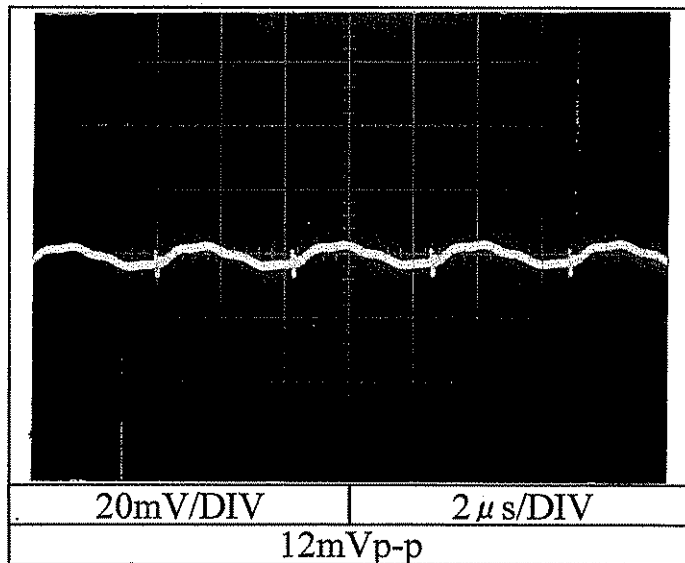
PSD3-24-1212

Conditions Vin : 24 VDC
Iout : 100 %
Ta : 25 °C

12V (CH1)



-12V (CH2)

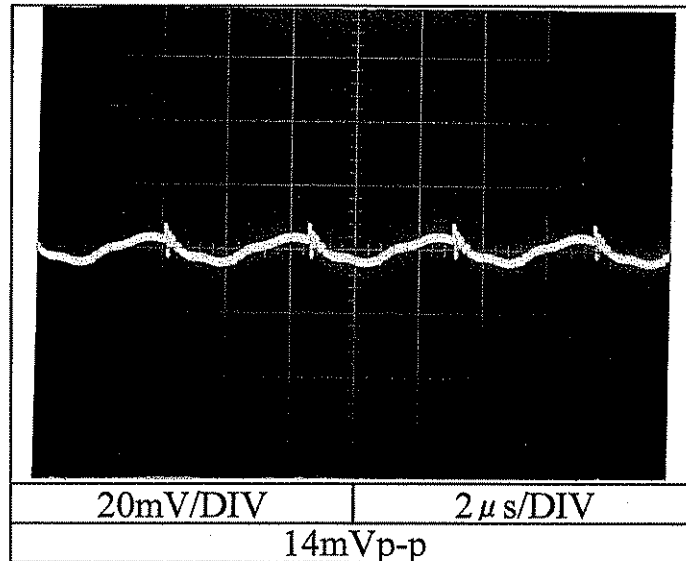


2.10 出力リップル、ノイズ波形
Output ripple and noise waveform

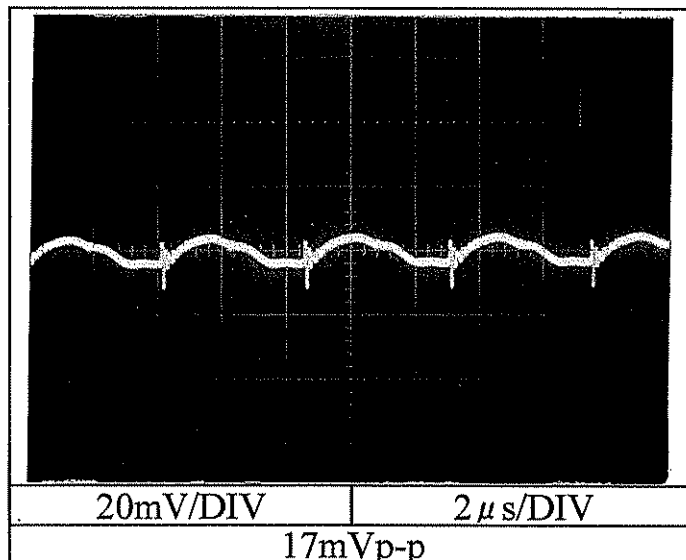
PSD3-48-1212

Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

12V (CH1)



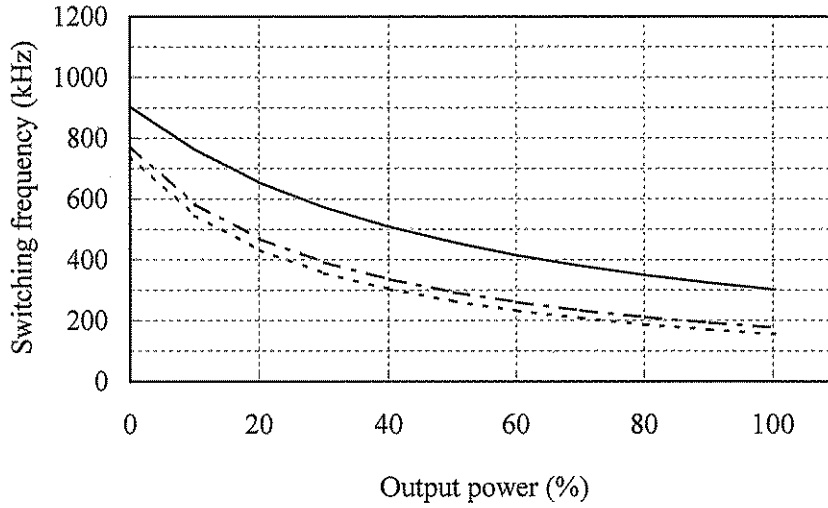
-12V (CH2)



2.11 スイッチング周波数対出力電力
Switching frequency v.s. output power

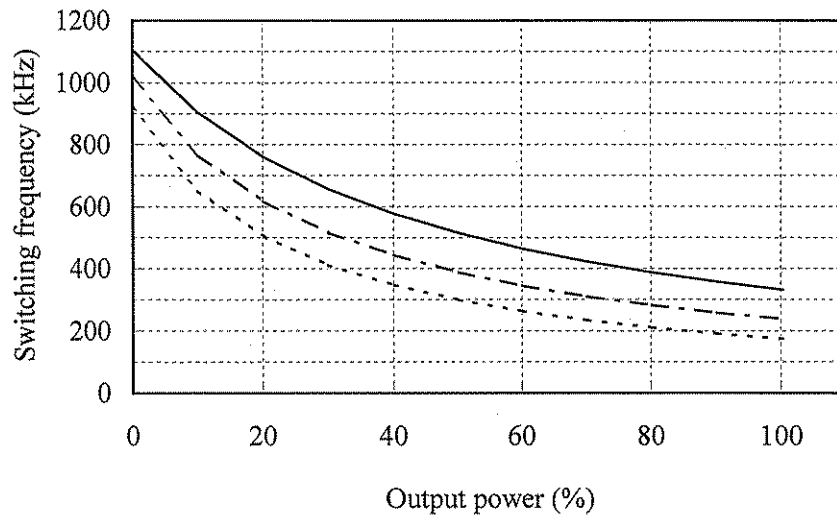
Conditions Vin : 4.5 VDC -----
 5 VDC -----
 9 VDC -----
 Ta : 25 °C

PSD3-5-1212



Conditions Vin : 9 VDC -----
 12 VDC -----
 18 VDC -----
 Ta : 25 °C

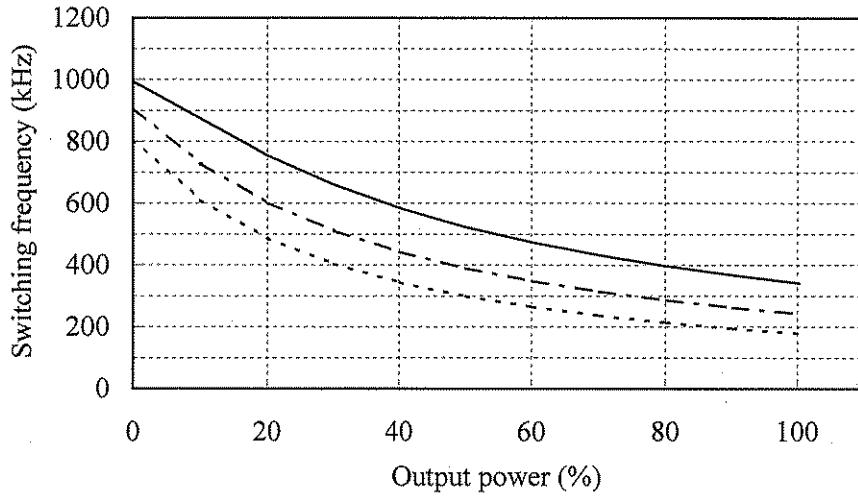
PSD3-12-1212



2.11 スイッチング周波数対出力電力
Switching frequency v.s. output power

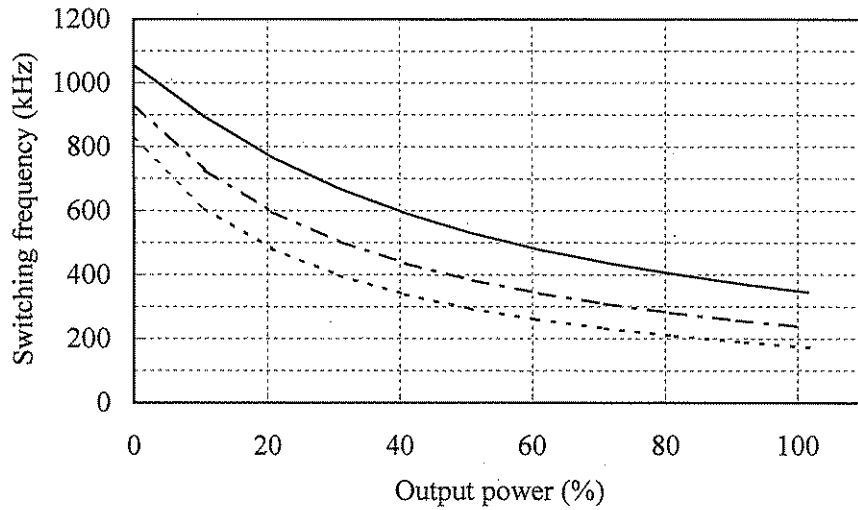
Conditions Vin : 18 VDC -----
 24 VDC -----
 36 VDC -----
 Ta : 25 °C

PSD3-24-1212



Conditions Vin : 36 VDC -----
 48 VDC -----
 76 VDC -----
 Ta : 25 °C

PSD3-48-1212



2.12 EMI特性

Electro-Magnetic Interference characteristics

(a) 雑音端子電圧 (帰還ノイズ)

Conducted Emission

VCCI class A 対応アプリケーションシステム

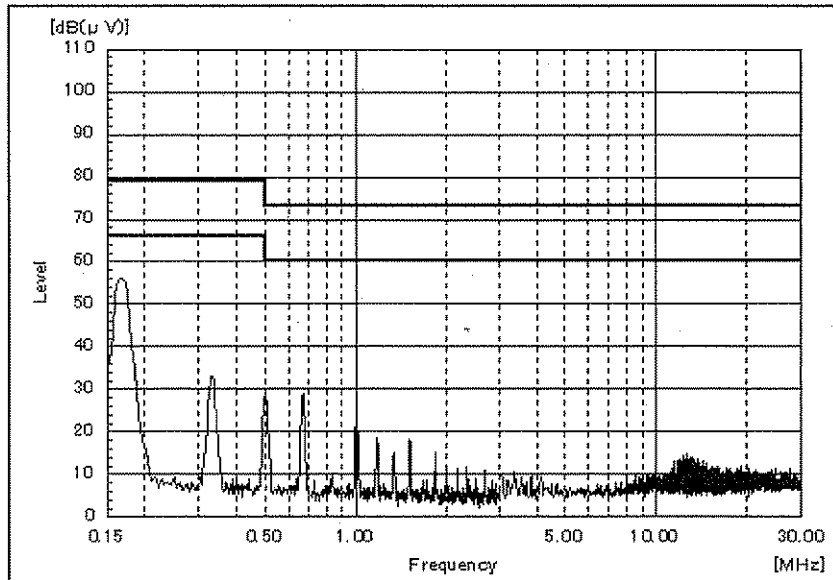
VCCI class A application system

Conditions Vin : 5 VDC

Iout : 100 %

Ta : 25 °C

PSD3-5-1212



←QP Limit

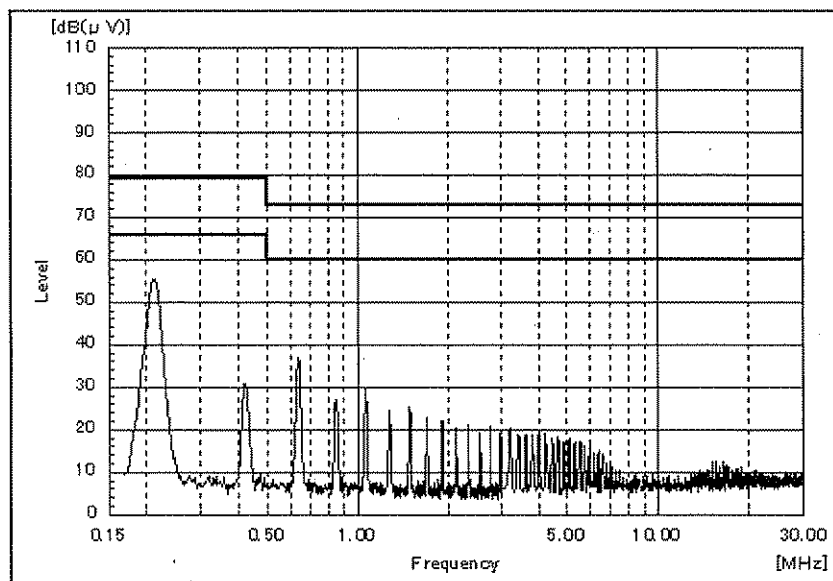
←AV Limit

Conditions Vin : 12 VDC

Iout : 100 %

Ta : 25 °C

PSD3-12-1212



←QP Limit

←AV Limit

2.12 EMI特性

Electro-Magnetic Interference characteristics

(a) 雑音端子電圧 (帰還ノイズ)

Conducted Emission

VCCI class A 対応アプリケーションシステム

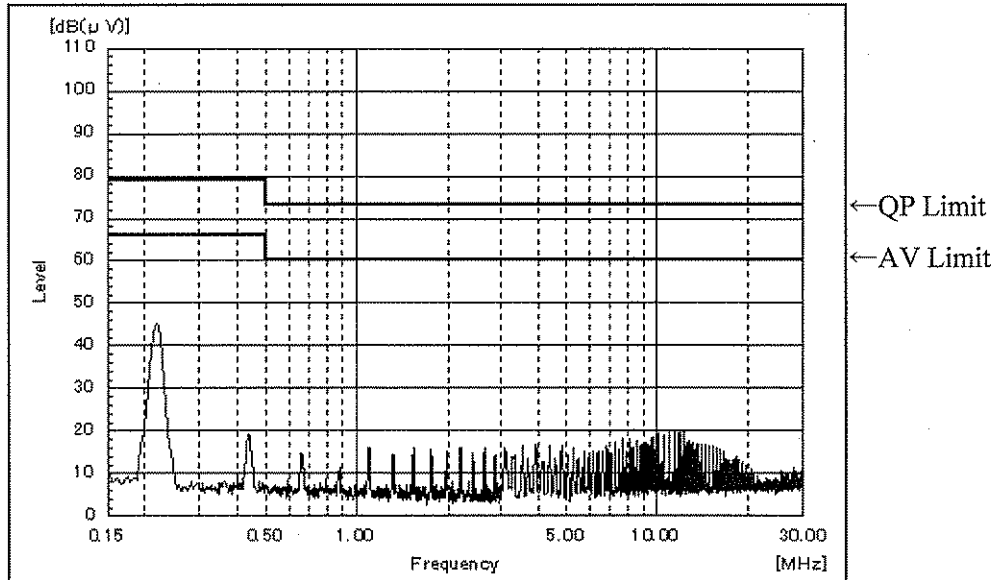
VCCI class A application system

Conditions Vin : 24 VDC

Iout : 100 %

Ta : 25 °C

PSD3-24-1212

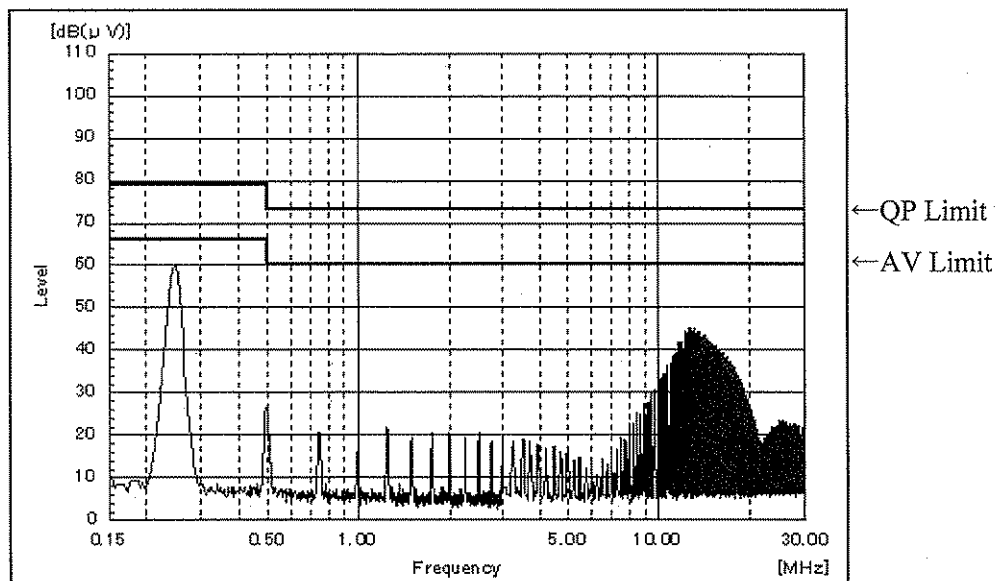


Conditions Vin : 48 VDC

Iout : 100 %

Ta : 25 °C

PSD3-48-1212



2.12 EMI特性

Electro-Magnetic Interference characteristics

(b) 雑音電界強度 (輻射ノイズ)

Radiated Emission

VCCI class A 対応アプリケーションシステム

VCCI class A application system

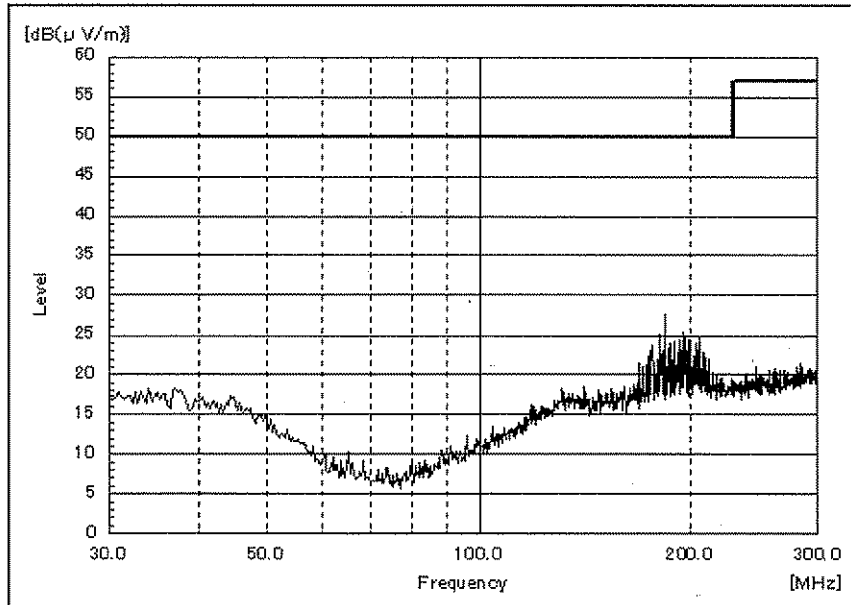
Conditions Vin : 5 VDC

Iout : 100 %

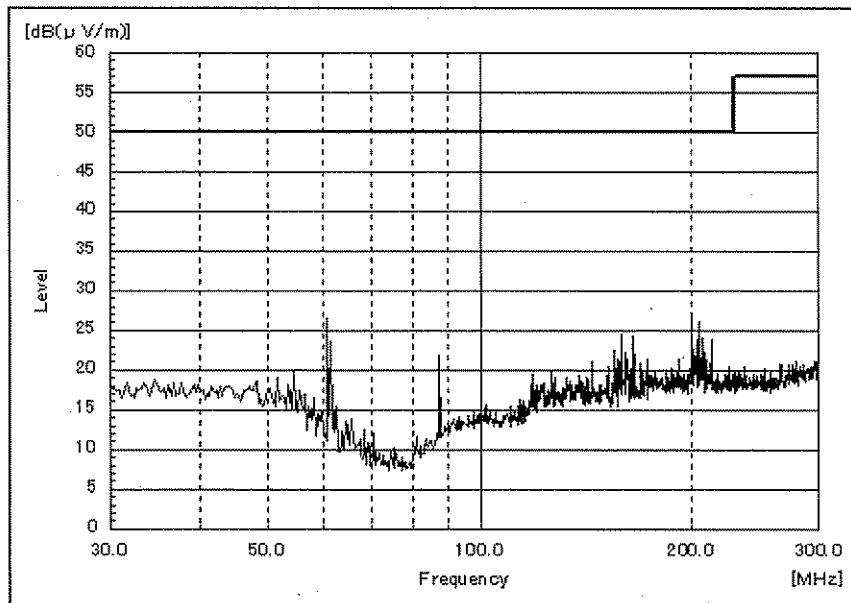
Ta : 25 °C

PSD3-5-1212

HORIZONTAL:



VERTICAL:



2.12 EMI特性

Electro-Magnetic Interference characteristics

(b) 雑音電界強度 (輻射ノイズ)

Radiated Emission

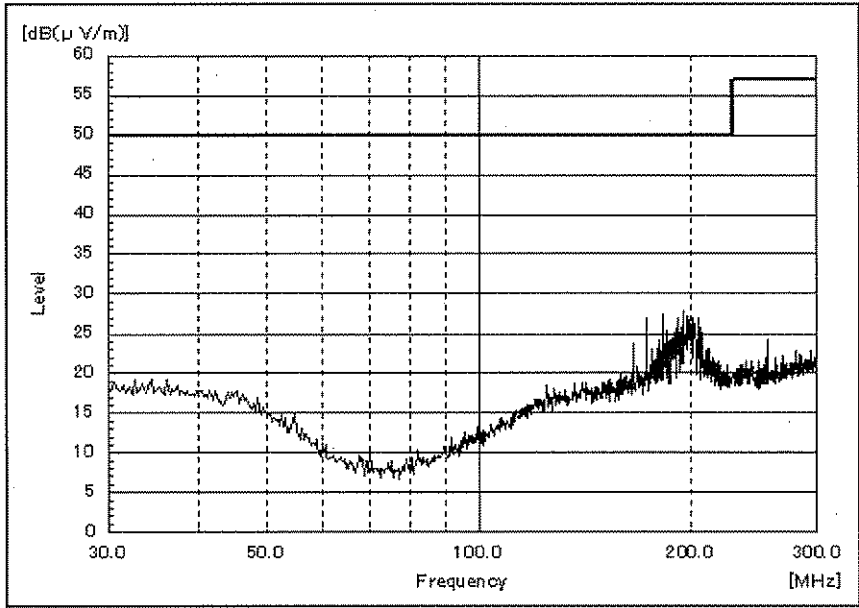
VCCI class A 対応アプリケーションシステム

VCCI class A application system

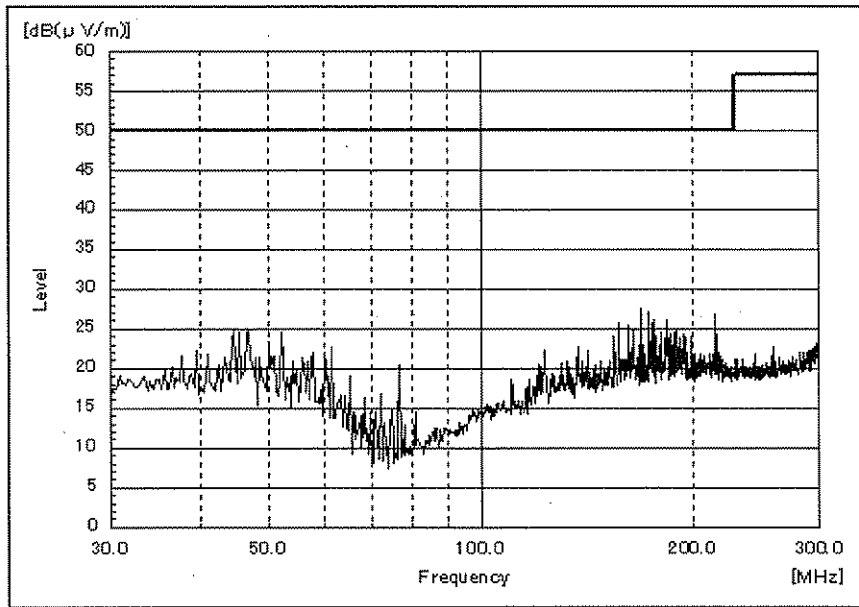
Conditions Vin : 12 VDC
Iout : 100 %
Ta : 25 °C

PSD3-12-1212

HORIZONTAL:



VERTICAL:



2.12 EMI特性

Electro-Magnetic Interference characteristics

(b) 雑音電界強度 (輻射ノイズ)

Radiated Emission

VCCI class A 対応アプリケーションシステム

VCCI class A application system

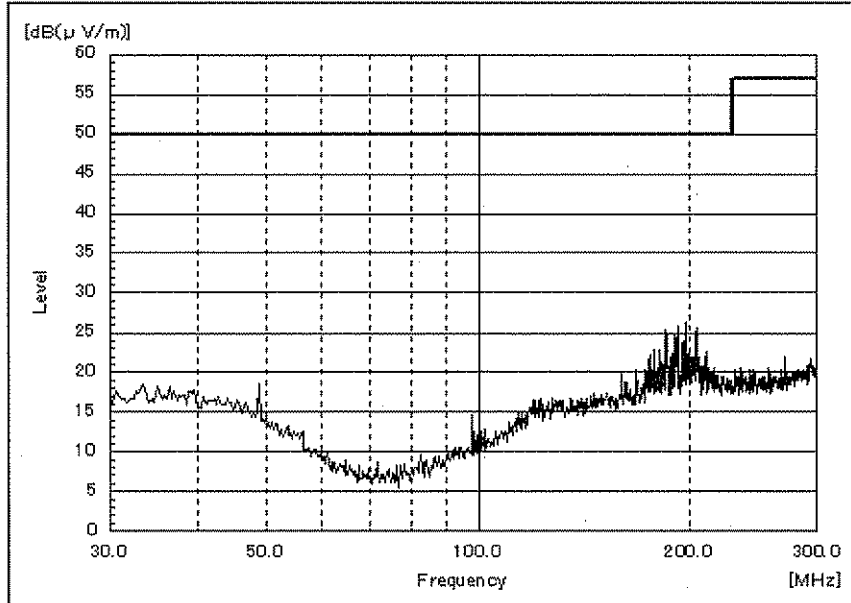
Conditions Vin : 24 VDC

Iout : 100 %

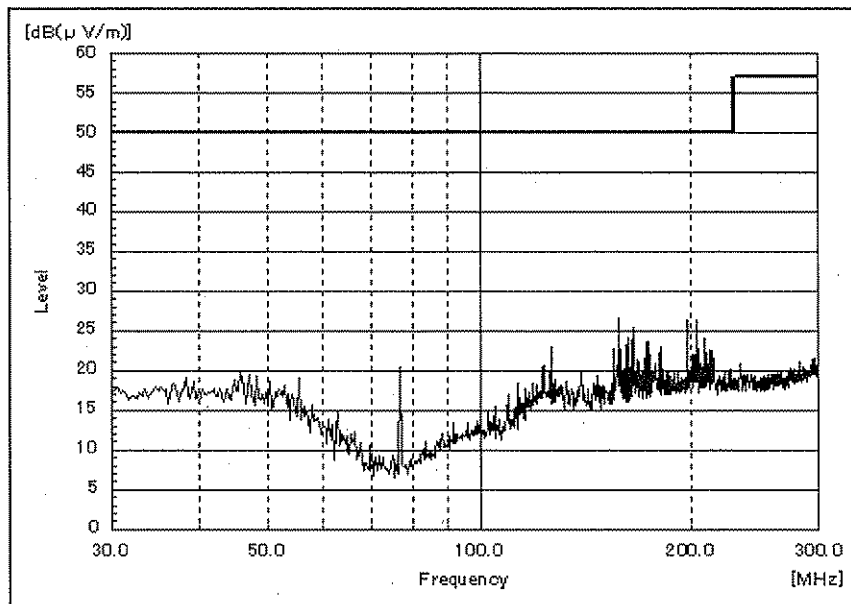
Ta : 25 °C

PSD3-24-1212

HORIZONTAL:



VERTICAL:



2.12 EMI特性

Electro-Magnetic Interference characteristics

(b) 雑音電界強度 (輻射ノイズ)

Radiated Emission

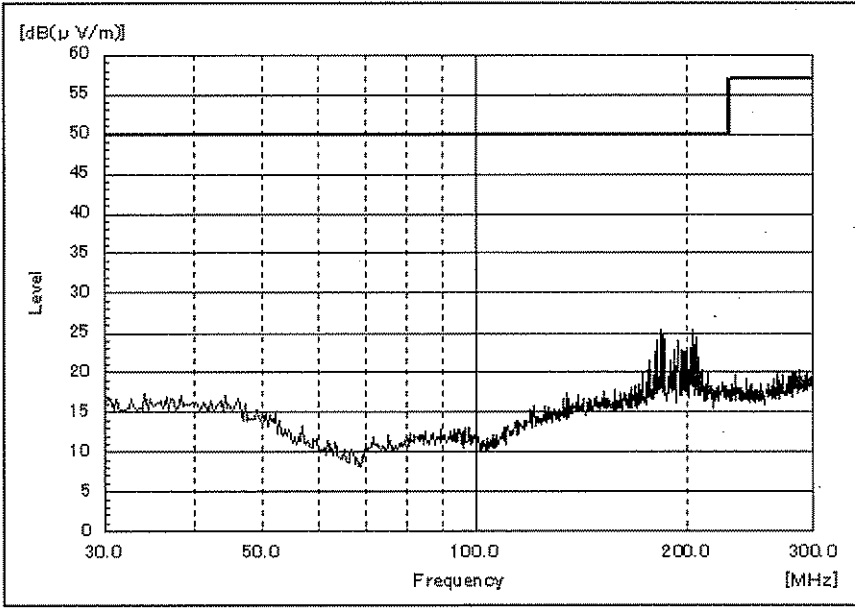
VCCI class A 対応アプリケーションシステム

VCCI class A application system

Conditions Vin : 48 VDC
Iout : 100 %
Ta : 25 °C

PSD3-48-1212

HORIZONTAL:



VERTICAL:

