QUALITY

TEST DATA

SWT40 -- *

--------- INDEX ---------

Terminology

	Definition
Vin	Input voltage
Vout	Output voltage
Iin	Input current
Iout	Output current
Ta	Ambient temperature

SWT40 SPECIFICATIONS

CA702-01-01E

	ITEMS / MODEL		SWT40-522			SWT40-525			SWT40-5FF		
			CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
1	NOMINAL OUTPUT VOLTAGE	V	+5	+12	-12	+5	+12	-5	+5	+15	-15
2	MIN. OUTPUT CURRENT	A	0.2	0.3	0	0.2	0.3	0	0.2	0.3	0
3	MAX. OUTPUT CURRENT	A	3	2	0.3	3	2	0.3	3	1.5	0.3
4	PEAK OUTPUT CURRENT (*10)	A	4.5	3	-	4.5	3	-	4.5	2.4	-
5	MAX. OUTPUT POWER (PEAK)	W	42.6(54.6)			40.5(51.6)			42(51.6)		
6	EFFICIENCY (TYP) (* 1)	-	70%								
7	INPUT VOLTAGE RANGE (* 2)	-	AC85~265V (Continuously), 47 ~ 63Hz / 110~340VDC								
8	INPUT CURRENT (TYP) (* 1)	-	1.11A(Vin=100VAC) / 0.55A(Vin=200VAC)								
9	INRUSH CURRENT (TYP)	-	15A / 100VAC, 30A / 200VAC (cold start, Ta=25°C)								
10	OUTPUT VOLTAGE	–	CH1 +5V fixed, CH2.3 fixed Shipment condition: CH1: ±1%, CH2(+12V): ±3%,CH2(+15V): ±5%, CH3: ±5%								
11	MAX. RIPPLE & NOISE (* 3)	-	±5V: 120mV; ±12V: 150mV; ±15V: 150 mV								
12	MAX. LINE REGULATION (*3,4)	-	CH1:1% , CH2: 2% , CH3: 1%								
13	MAX. LOAD REGULATION (*3,5)	-	CH1: 2%, CH2: 4% , CH3: 2%								
14	MAX. TEMPERATURE DRIFT (*3,6)	-	0.04%/°C								
15	OVER CURRENT PROTECTION (* 7)	-	Automatic recovery, O.C.P point : 140% ~								
16	OVER VOLTAGE PROTECTION (* 8)	-	6V ~ (CH1 only)								
17	HOLD - UP TIME (TYP) (* 1)	-	17ms (Input 100 VAC)								
18	OPERATING TEMPERATURE (* 9)	-	Convection cooling 0~50°C: 100% load; 60°C: 70% load								
19	OPERATING HUMIDITY	-	30%~90%RH								
20	STORAGE TEMPERATURE	-	-20°C ~ +85°C								
21	STORAGE HUMIDITY	-	10%~95%RH								
22	COOLING	-	Convection cooling								
23	EMI	-	Conform to FCC-B, VCCI-2, EN55022B								
24	WITHSTAND VOLTAGE	-	I/P-O/P:3kVAC(20mA),I/P-FG:2.5kVAC(20mA),O/P-FG:500VAC(100mA) for 1min								
25	ISOLATION RESISTANCE	-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG 500VDC								
26	VIBRATION	-	10 - 55Hz Amplitude (sweep 1min) Less than 19.6m/s^2 X ,Y ,Z 1Hr each								
27	SHOCK	-	Less than 196.1m/s^2								
28	OUTPUT GROUNDING	-	All channels common ground (2 terminals)								
29	SAFETY	-	Conform to UL1950, CSA950, EN60950, DENTORI								
30	WEIGHT	-	280g								
31	SIZE (W*D*H)	m/m	76.2 x 127.0 x 35.6								
		inch	3.00 x 5.00 x 1.40 (2.55 x 4.55 mounting hole Φ 3.5mm)								

NOTES:

*1. At 100VAC, 200VAC and MAX. OUTPUT POWER (Convection cooling), Ta=25°C.

*2. For cases where conformance to various safety specs (UL,CSA, EN) are required to be described as 100~120VAC, 200~240VAC, 50/60 Hz on name plate.

*3. Please refer to Fig A for measurement determination of line & load regulation and output ripple voltage. (Measure with JEITA RC-9131 probe)

*4. From 85~132VAC / 170~265VAC, constant load.

*5. From Min. load - Full load (Maximum power), constant input voltage.

*6. From 0°C ~ +50°C, constant input voltage and load.

*7. Current limiting with automatic recovery. Avoid to operate over load or dead short for more than 30 seconds.

*8. Over voltage clamping by zener diode.

*9. At standard mounting method, Fig B.

*10. Peak current operation is less than 10 sec. with duty factor less than 30%. In addition, it does not has to satisfy the total regulation specification.

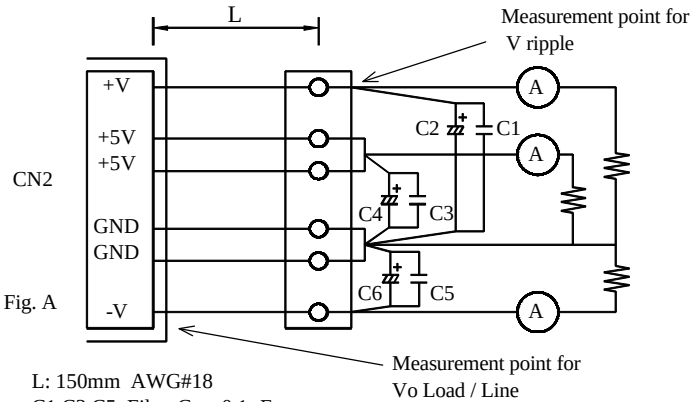


Fig. A

L: 150mm AWG#18
C1,C3,C5: Film Cap 0.1μF
C2,C4,C6: Elec. Cap 100μF
Bandwidth of scope: 100MHz

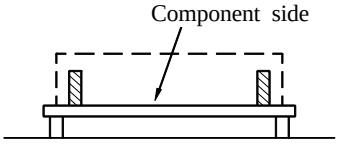
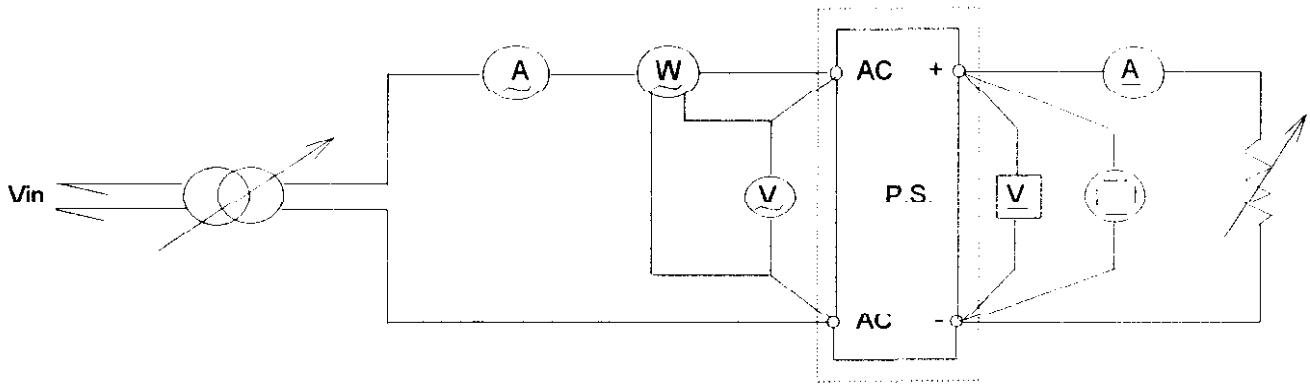


Fig. B

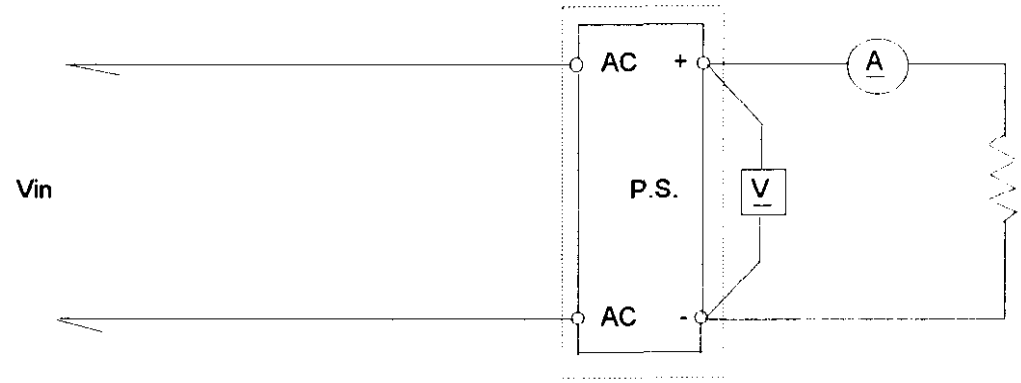
2. EVALUATION METHOD

2 - 1 Circuits used for determination

(1) Steady state data

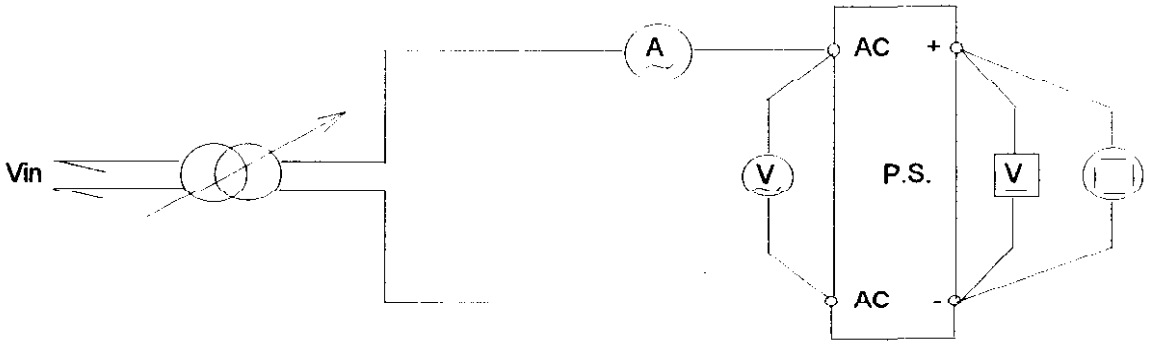


(2) Warm up voltage drift characteristics

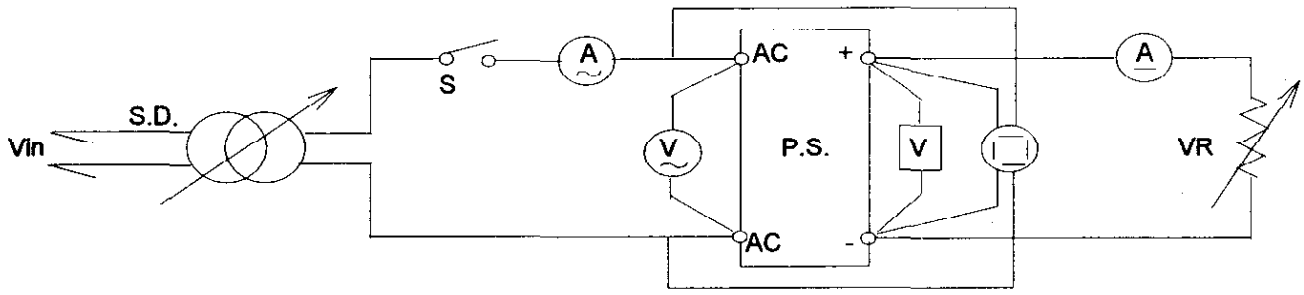


(3) Over current protection (OCP) characteristics
Same as steady state data

(4) Over voltage protection (OVP) characteristics

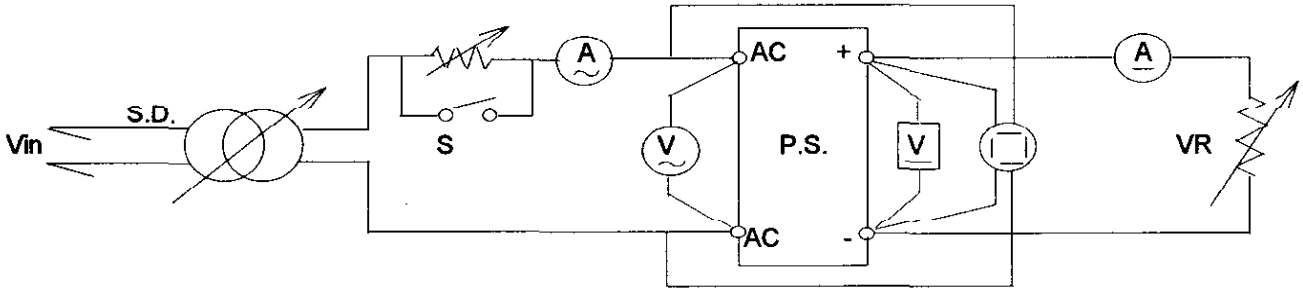


(5) Output rise characteristics

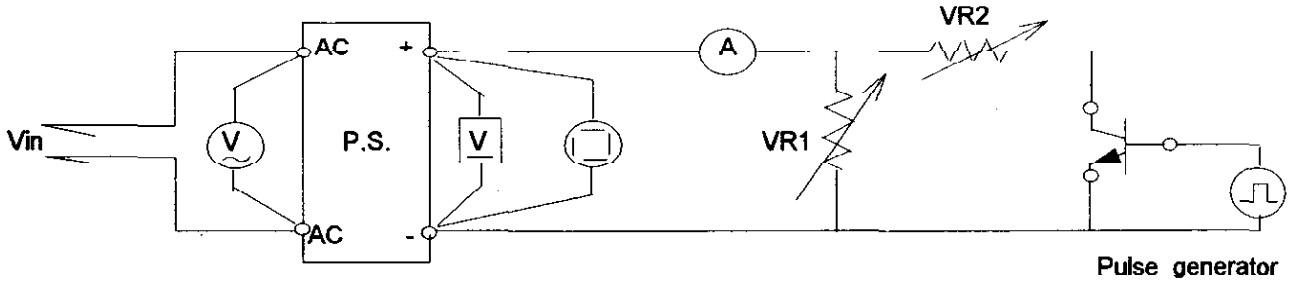


(6) Output fall characteristics same as output rise characteristics

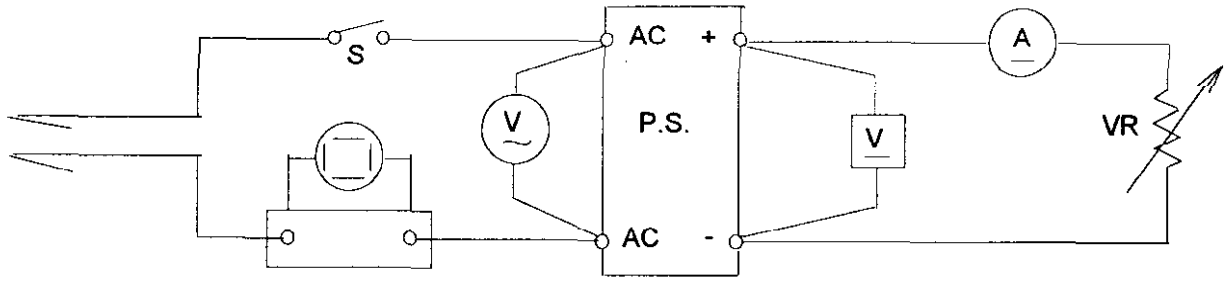
(7) Dynamic line response characteristics



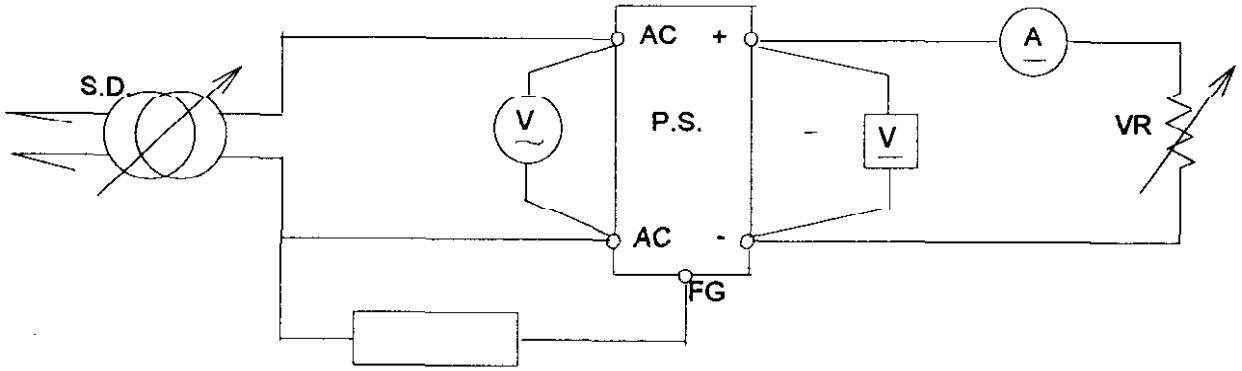
(8) Dynamic load response characteristics



(9) Inrush current characteristics



(10) Leakage current characteristics

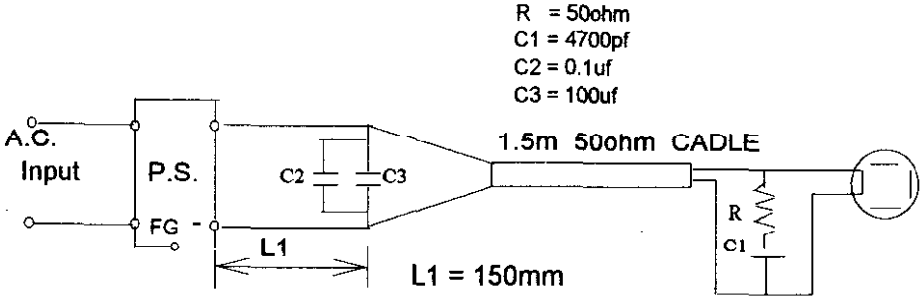


Leakage current meter

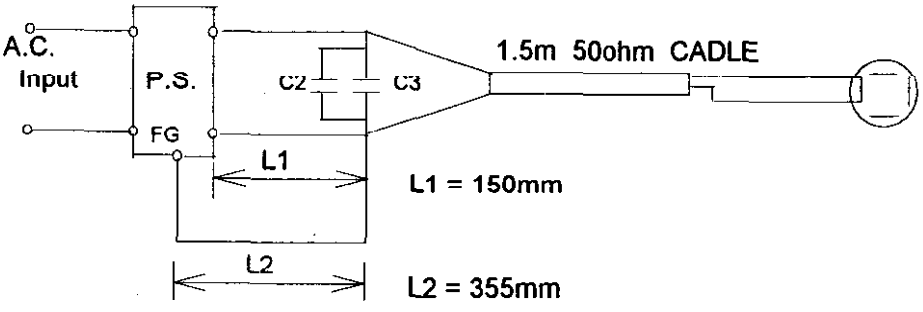
Note : Leakage current measured through a 1Kohm resistor
Range wed : AC + DC

(11) Output - ripple , noise

a) NORMAL MODE



b) NORMAL + COMMON MODE



2 - 2 List of equipment

	EQUIPMENT USED	MANUFACTURER	MODEL NO.
1	Oscilloscope	HITACHI	V - 1050
2	Digital storage oscilloscope	TEKTRONIX	TDS - 540A
3	Digital multimeter	MASTECH	DM8145A
4	Digital watt/current/volt meter	HIOKI	3186
5	DC Ampere meter	YOKOGAWA	2051
6	Autotransformer	YUYAO	TDGC - 2
7	Variable resistive load	IWASHITA	D - 5
8	Electric load	KIKUSUI	PLZ72W,PLZ300W
9	Digirush currenter	TAKAMISAWA	PSA - 200
10	Current Probe/Amplifier	TEKTRONIX	A6303/AM503B
11	Controlled Temp. Chamber	HIFLEX	FXL400
12	Leakage current meter	YOKOGAWA	3226
13	AC Power Supply	KIKUSUI	PCR - 2000L

REGULATION - Line & Load,Temp. Drift

SWT40-522

CH1

1. Regulation - Line & Load

Conditions Ta = 25°C
CH2,CH3: Iout = 100%

Iout / Vin	AC 85V	AC 100V	AC 132V	Line Regulation	
Min Load	5.073V	5.072V	5.071V	0.002V	0.04%
50%	5.052V	5.054V	5.055V	0.003V	0.06%
100%	5.027V	5.032V	5.037V	0.010V	0.20%
Load Regulation	0.046V	0.040V	0.034V		
	0.92%	0.80%	0.68%		

2.. Temperature Drift

Conditions Vin = 100VAC
Iout = 100%

Ta(°C)	0	25	50	Temp. Stability	
Vout	5.034V	5.032V	5.019V	0.015V	0.30%

CH2

1. Regulation - Line & Load

Conditions Ta = 25°C
CH1,CH3: Iout = 100%

Iout / Vin	AC 85V	AC 100V	AC 132V	Line Regulation	
Min Load	12.507V	12.471V	12.441V	0.066V	0.55%
50%	12.431V	12.381V	12.326V	0.105V	0.88%
100%	12.381V	12.334V	12.282V	0.099V	0.83%
Load Regulation	0.126V	0.137V	0.159V		
	1.05%	1.14%	1.33%		

2.. Temperature Drift

Conditions Vin = 100VAC
Iout = 100%

Ta(°C)	0	25	50	Temp. Stability	
Vout	12.346V	12.334V	12.313V	0.033V	0.28%

CH3

1. Regulation - Line & Load

Conditions Ta = 25°C
CH1,CH2: Iout = 100%

Iout / Vin	AC 85V	AC 100V	AC 132V	Line Regulation	
Min Load	-12.017V	-12.015V	-12.014V	0.003V	0.03%
50%	-11.999V	-11.996V	-11.996V	0.003V	0.03%
100%	-11.956V	-11.955V	-11.956V	0.001V	0.01%
Load Regulation	0.061V	0.060V	0.058V		
	0.51%	0.50%	0.48%		

2.. Temperature Drift

Conditions Vin = 100VAC
Iout = 100%

Ta(°C)	0	25	50	Temp. Stability	
Vout	-12.011V	-11.955V	-11.889V	0.122V	1.02%

REGULATION - Line & Load,Temp. Drift

SWT40-522

CH1

1. Regulation - Line & Load

Conditions Ta = 25°C
CH2,CH3: Iout = 100%

Iout / Vin	AC 170V	AC 200V	AC 265V	Line Regulation	
Min Load	5.070V	5.070V	5.069V	0.001V	0.02%
50%	5.056V	5.057V	5.058V	0.002V	0.04%
100%	5.040V	5.042V	5.044V	0.004V	0.08%
Load Regulation	0.030V	0.028V	0.025V		
	0.60%	0.56%	0.50%		

2.. Temperature Drift

Conditions Vin = 200VAC
Iout = 100%

Ta(°C)	0	25	50	Temp. Stability	
Vout	5.046V	5.042V	5.030V	0.016V	0.32%

CH2

1. Regulation - Line & Load

Conditions Ta = 25°C
CH1,CH3: Iout = 100%

Iout / Vin	AC 170V	AC 200V	AC 265V	Line Regulation	
Min Load	12.430V	12.431V	12.436V	0.006V	0.05%
50%	12.298V	12.287V	12.278V	0.020V	0.17%
100%	12.253V	12.240V	12.223V	0.030V	0.25%
Load Regulation	0.177V	0.191V	0.213V		
	1.48%	1.59%	1.78%		

2.. Temperature Drift

Conditions Vin = 200VAC
Iout = 100%

Ta(°C)	0	25	50	Temp. Stability	
Vout	12.245V	12.240V	12.218V	0.027V	0.23%

CH3

1. Regulation - Line & Load

Conditions Ta = 25°C
CH1,CH2: Iout = 100%

Iout / Vin	AC 170V	AC 200V	AC 265V	Line Regulation	
Min Load	-12.011V	-12.007V	-12.002V	0.009V	0.08%
50%	-11.997V	-11.996V	-11.995V	0.002V	0.02%
100%	-11.956V	-11.957V	-11.957V	0.001V	0.01%
Load Regulation	0.055V	0.050V	0.045V		
	0.46%	0.42%	0.38%		

2.. Temperature Drift

Conditions Vin = 200VAC
Iout = 100%

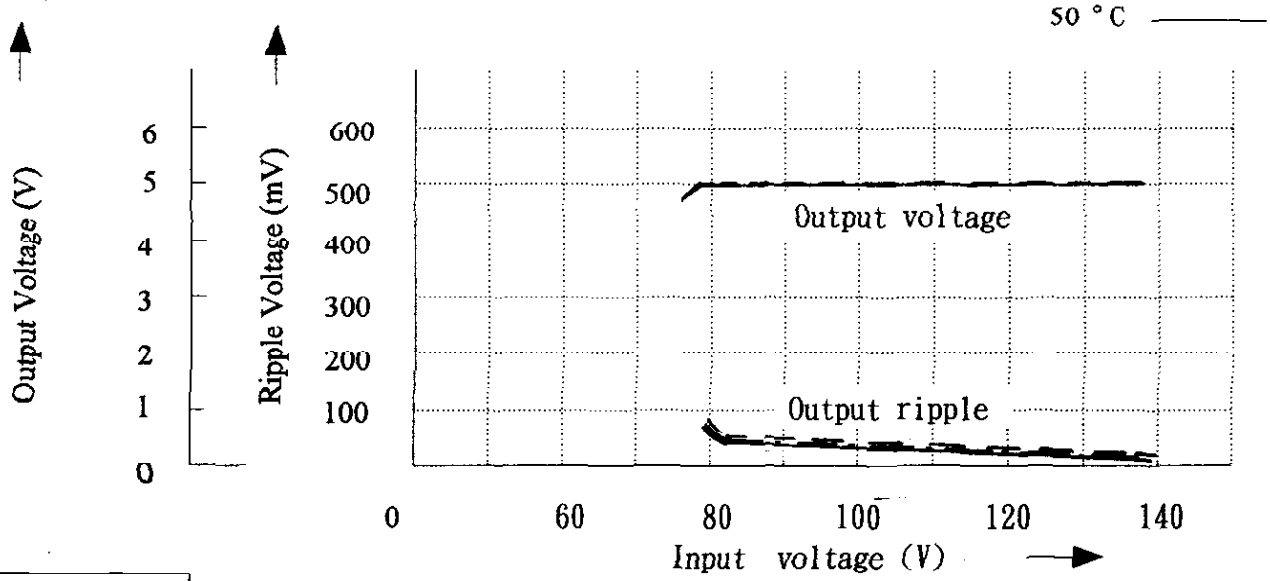
Ta(°C)	0	25	50	Temp. Stability	
Vout	-12.012V	-11.957V	-11.890V	0.122V	1.02%

OUTPUT VOLTAGE AND RIPPLE v.s INPUT VOLTAGE

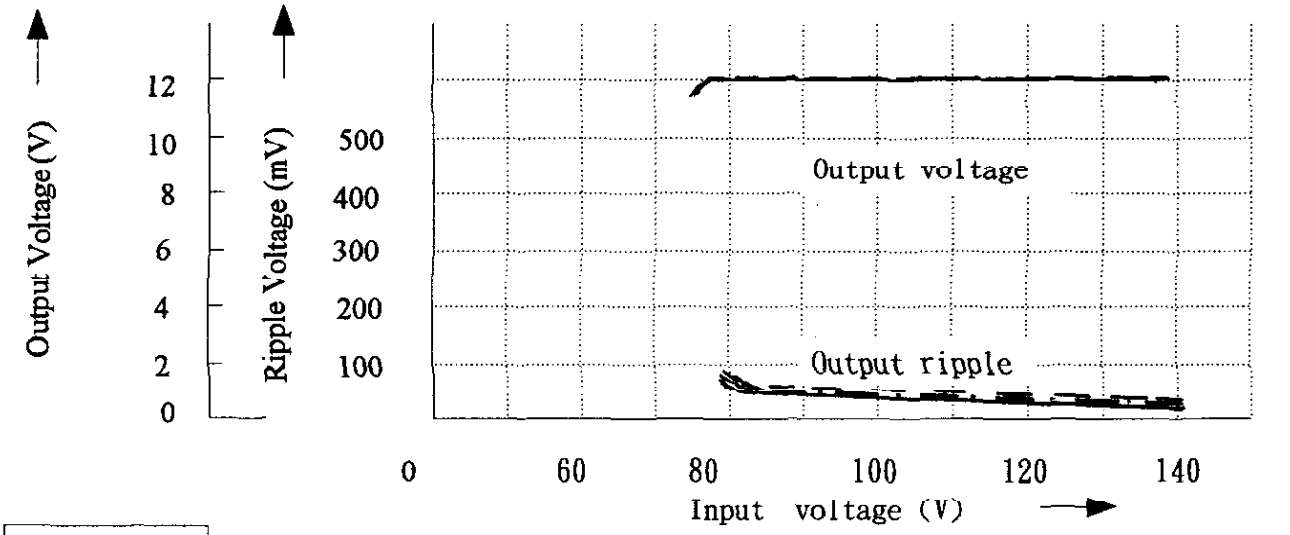
SWT40 - 522

Conditions Iout = 100%
Ta: 0 °C
25 °C
50 °C

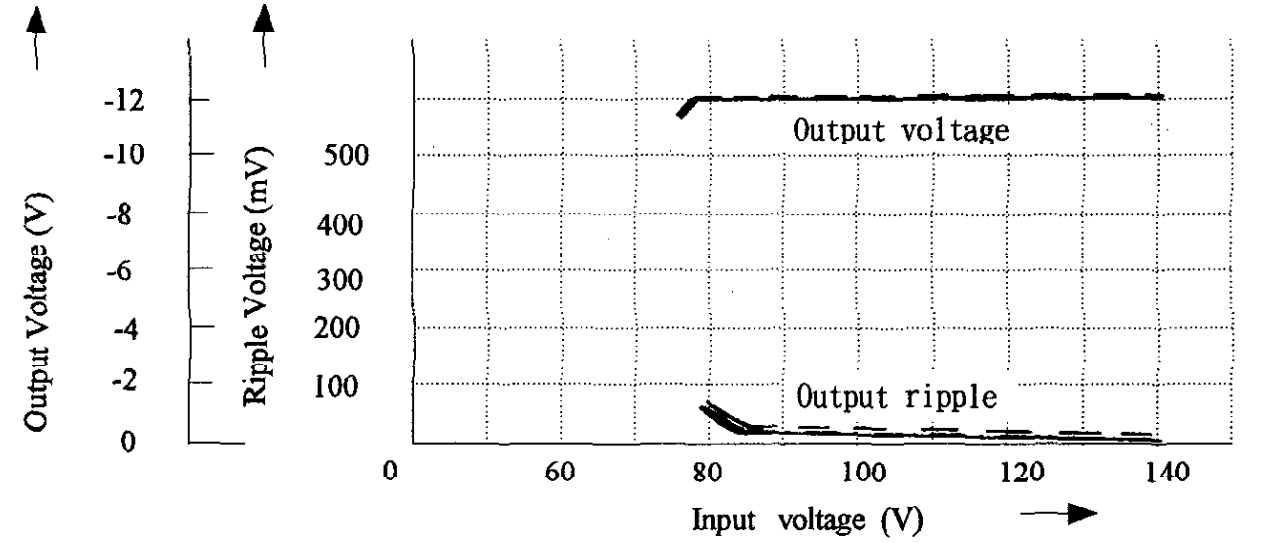
CH1



CH2



CH3

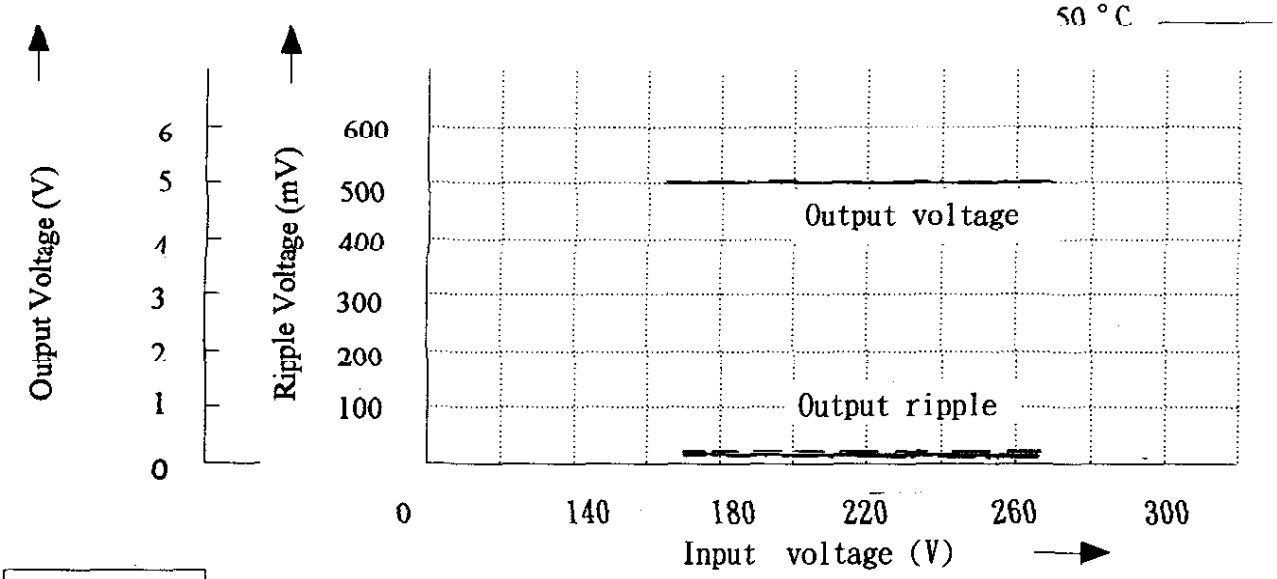


OUTPUT VOLTAGE AND RIPPLE v.s INPUT VOLTAGE

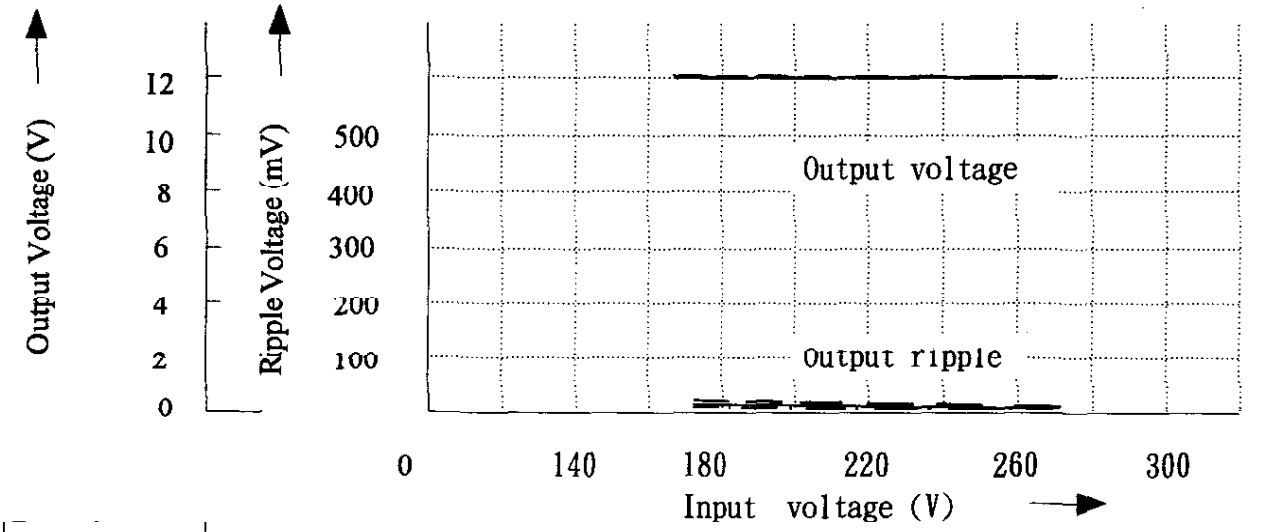
SWT40 - 522

Conditions Iout = 100%
Ta : 0 °C — —
25 °C — - —
50 °C ———

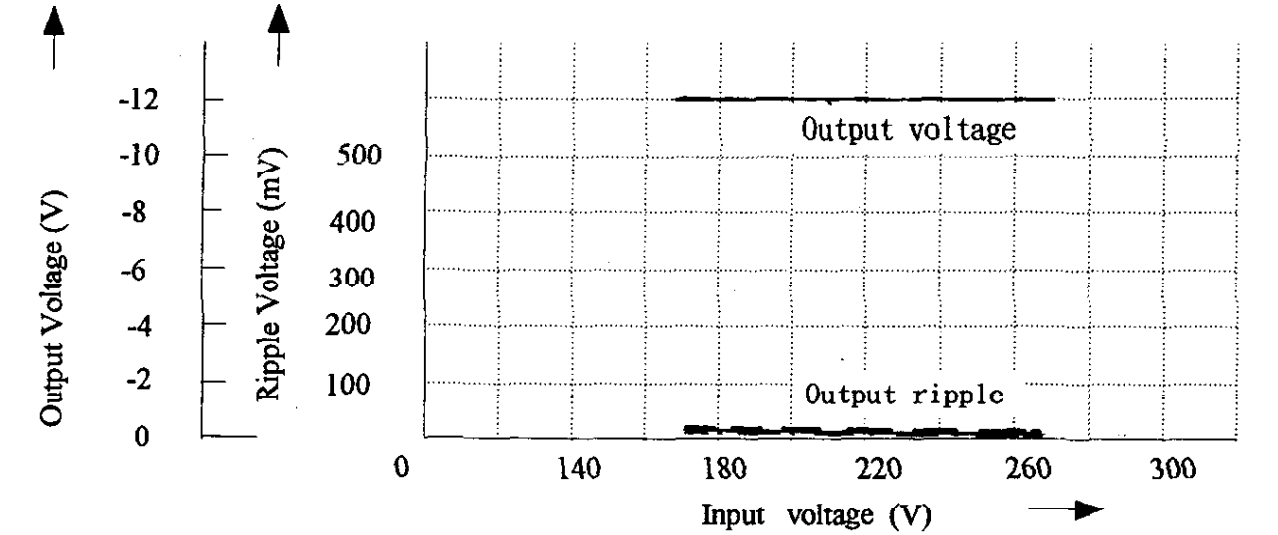
CH1



CH2



CH3

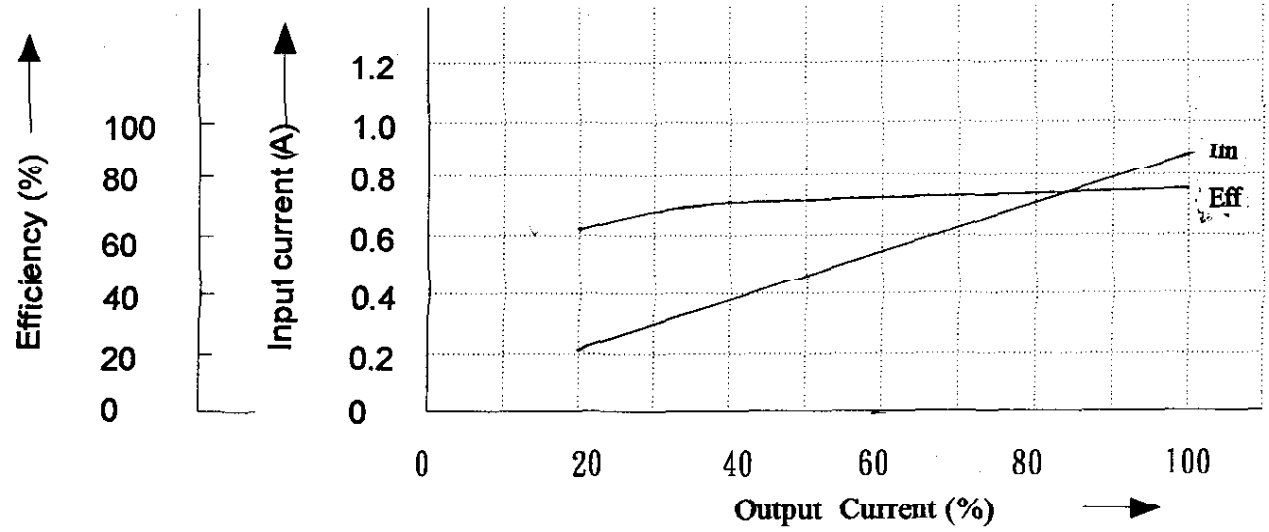


EFFIENCY AND INPUT CURRENT v.s OUTPUT CURRENT

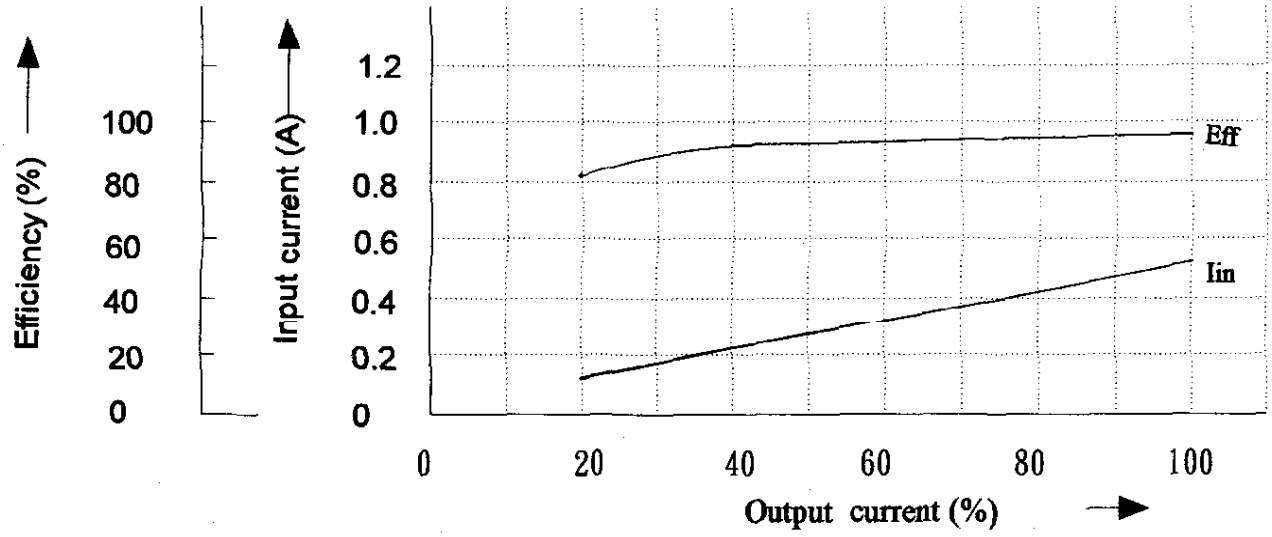
Conditions

Vina = 100VAC
Vinb = 200VAC
Ta = 25 °C

A: 100VAC



B: 200VAC

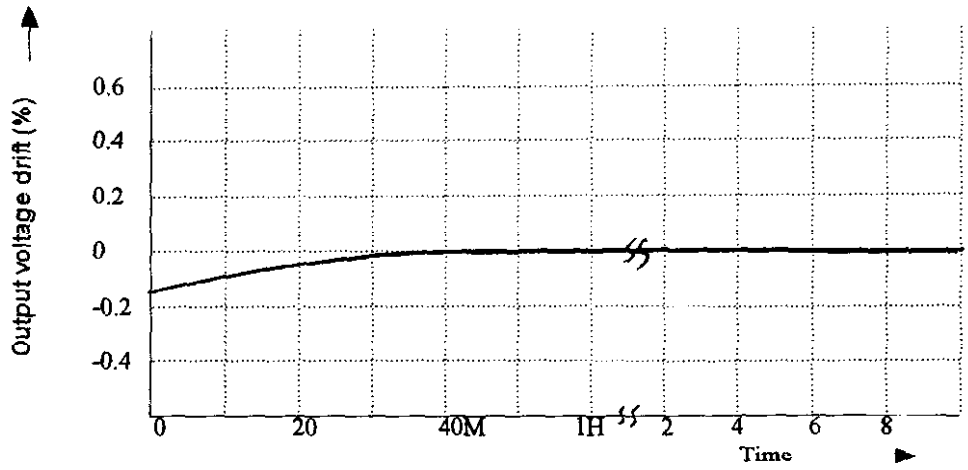


WARM UP DRIFT

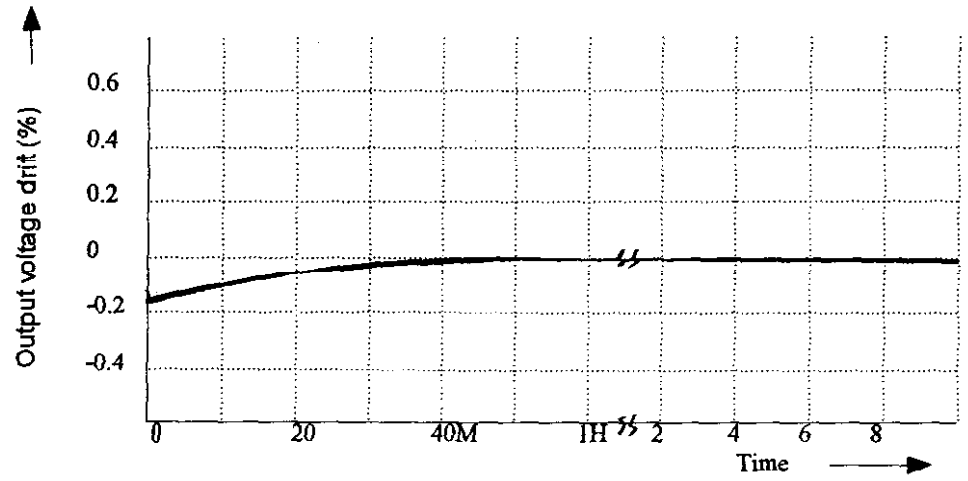
SWT40 - 522

Conditions Vin = 100VAC
Iout = 100%
Ta = 25 °C

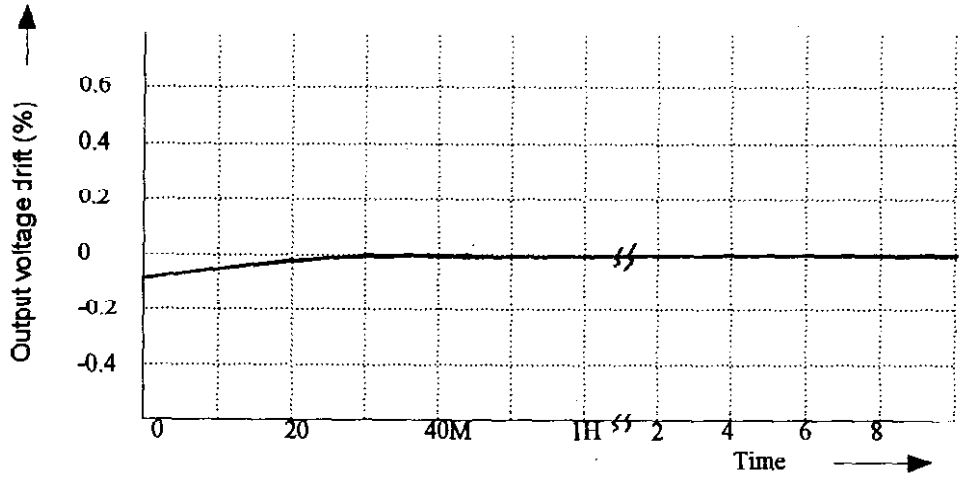
CH1



CH2



CH3



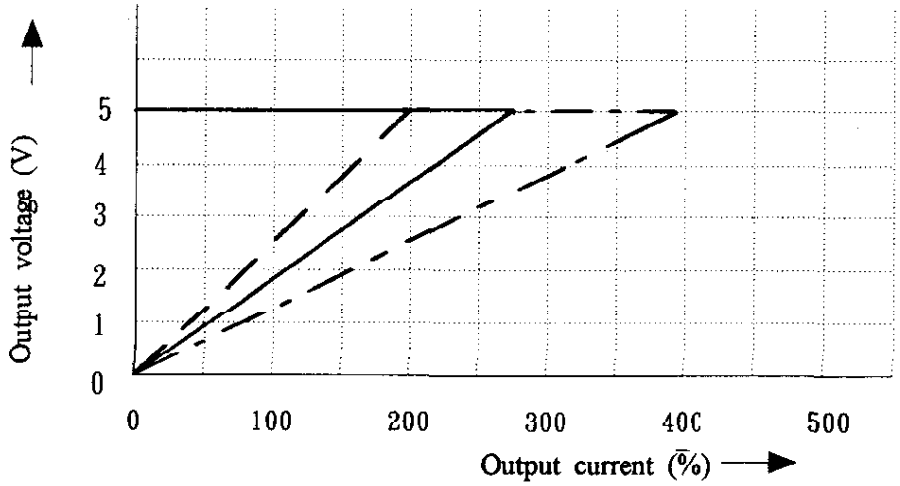
OCP CHARACTERISTICS v.s INPUT VOLTAGE

SWT40 - 522

Conditions Ta = 25 °C
Vin : 85VAC — —
100VAC ——
132VAC — - —

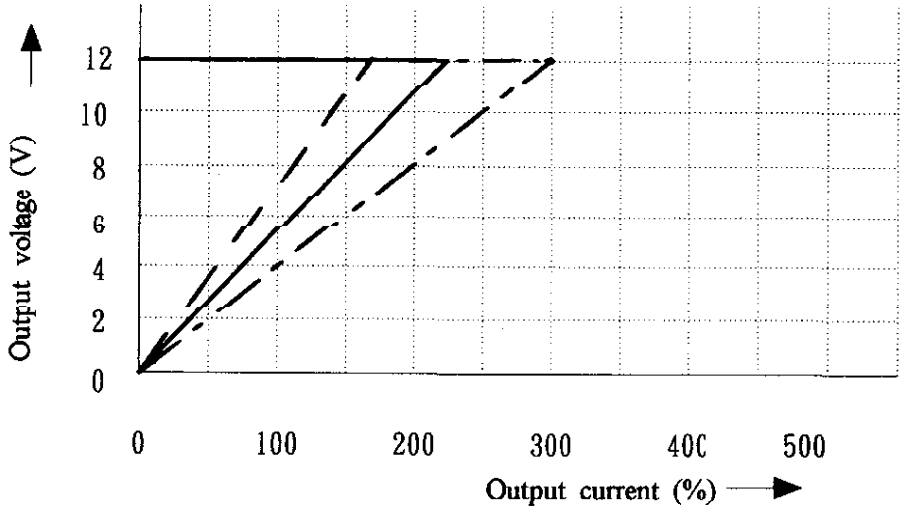
CH1

Iout:
CH2,3:100%



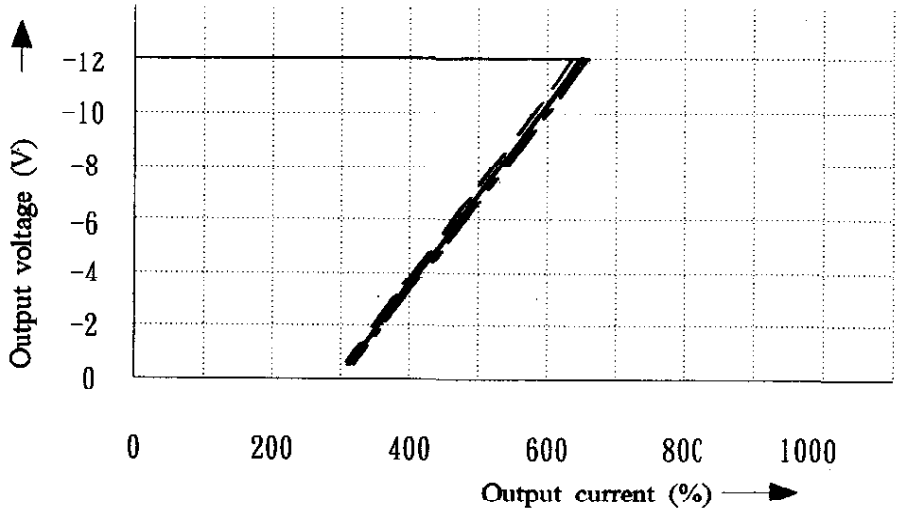
CH2

Iout:
CH1,3:100%



CH3

Iout:
CH1,2:100%



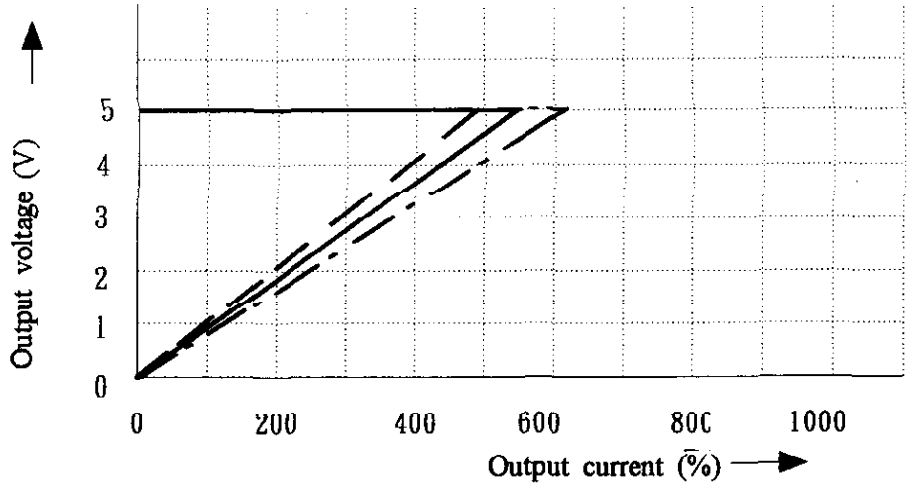
OCP CHARACTERISTICS v.s INPUT VOLTAGE

SWT40 - 522

Conditions Ta = 25 °C
Vin : 170VAC
200VAC
265VAC

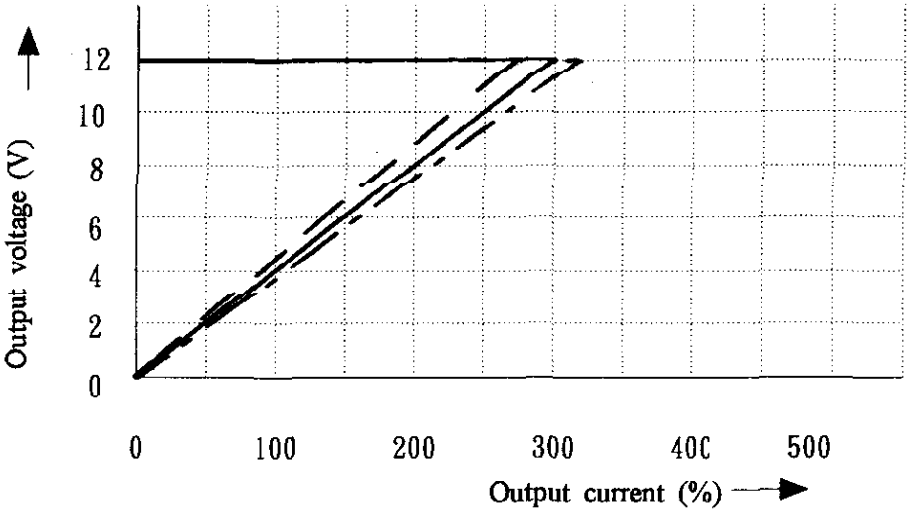
CH1

Iout:
CH2,3:100%



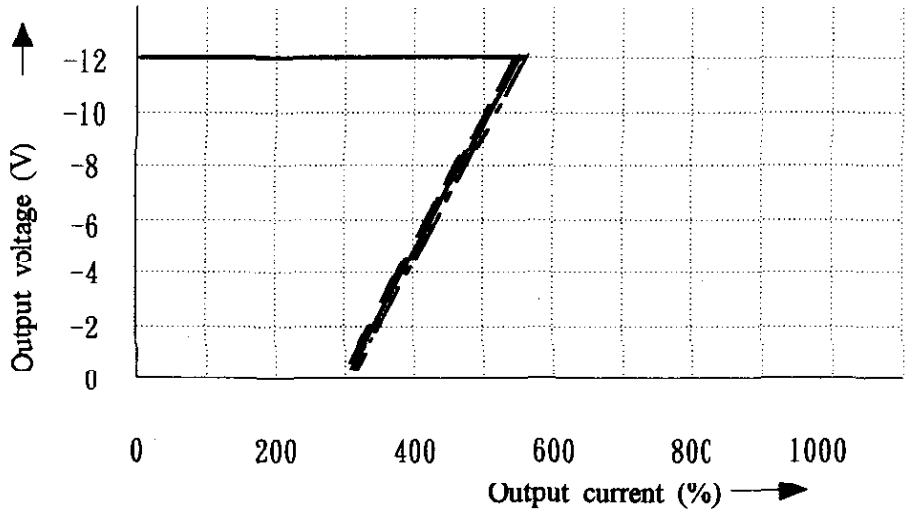
CH2

Iout:
CH1,3:100%



CH3

Iout:
CH1,2:100%



OCP CHARACTERISTICS v.s TEMP.

SWT40 - 522

Conditions

Vin = 100VAC

Ta : 0 °C

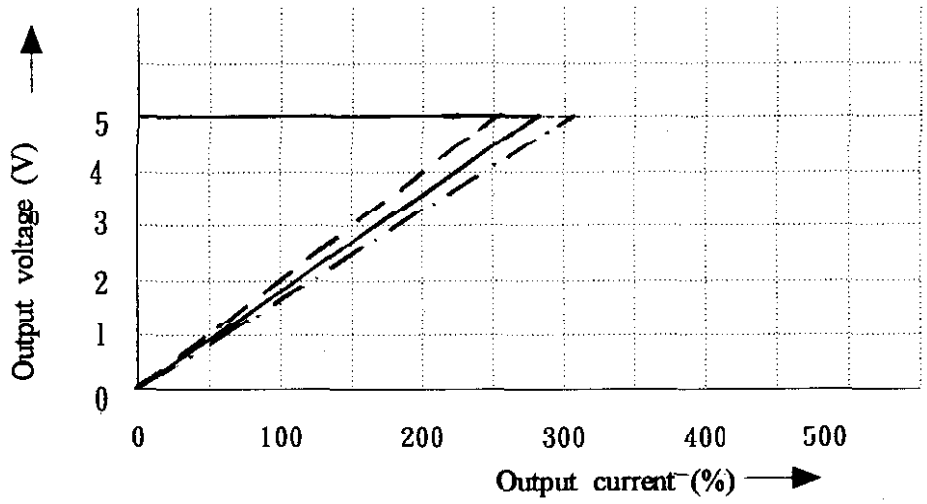
25 °C

50 °C

CH1

Iout:

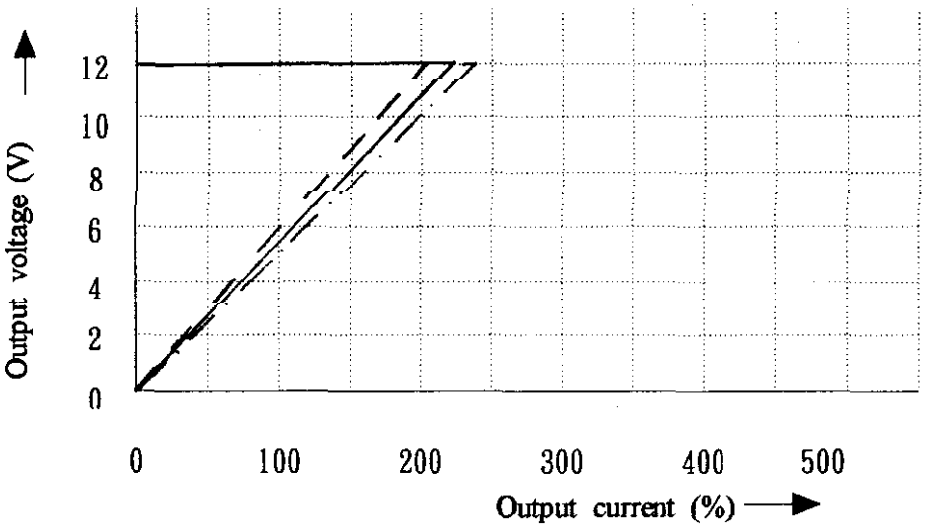
CH2,3:100%



CH2

Iout:

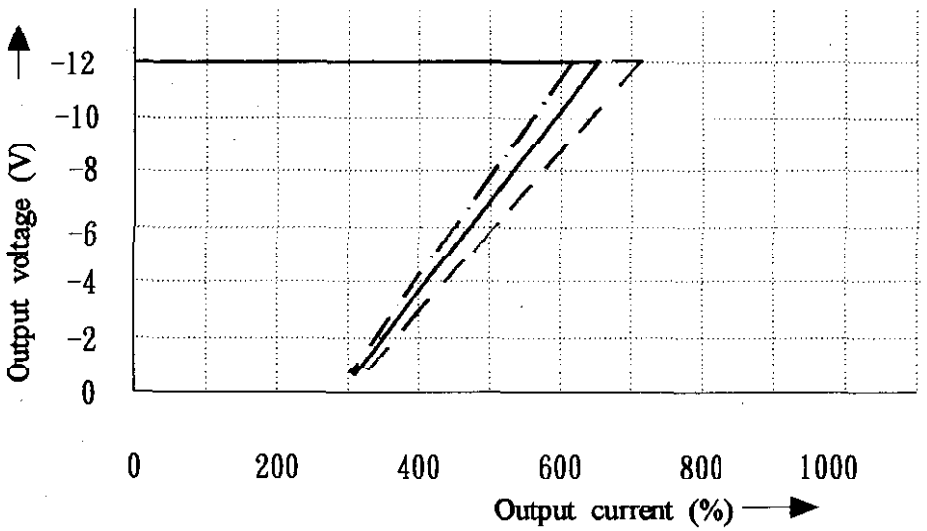
CH1,3:100%



CH3

Iout:

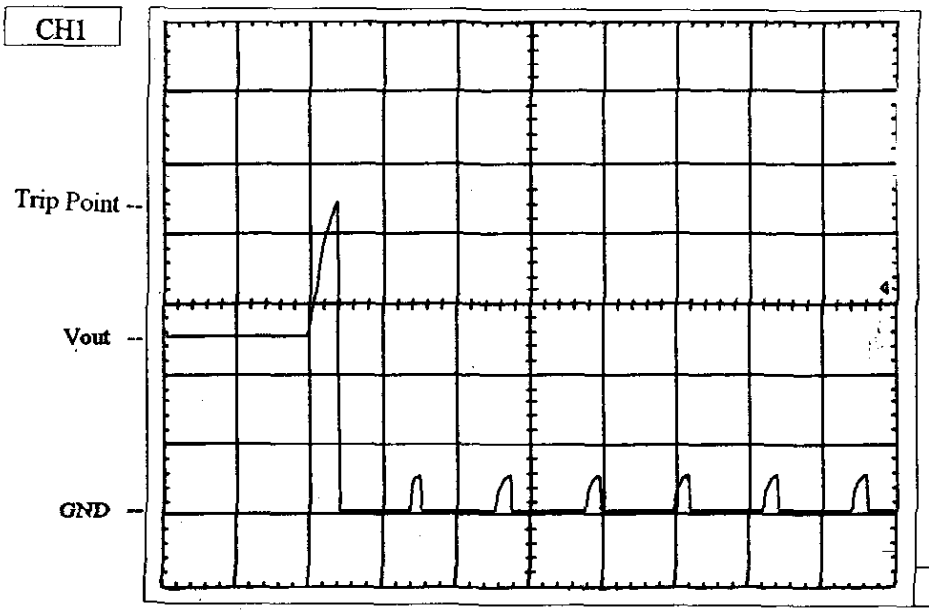
CH1,2:100%



O.V.P CHARACTERISTICS

SWT40 - *

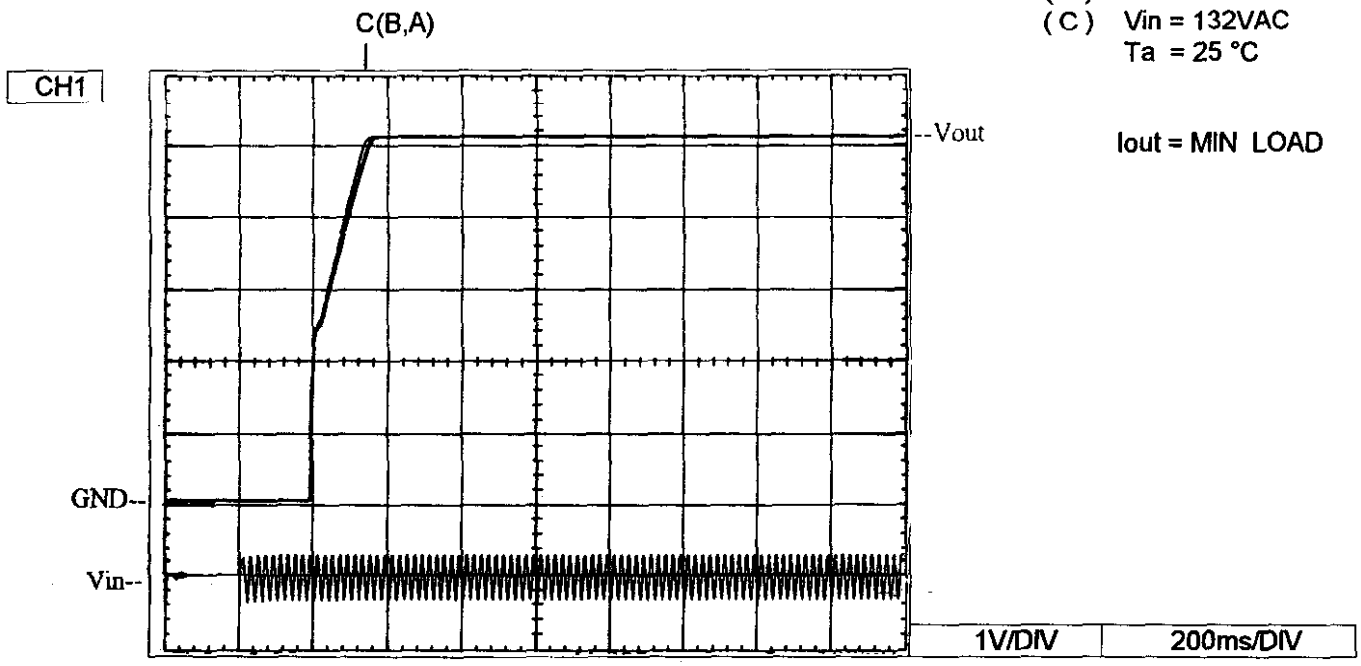
Conditions Vin = 100VAC
Iout = Min Load
Ta = 25 °C



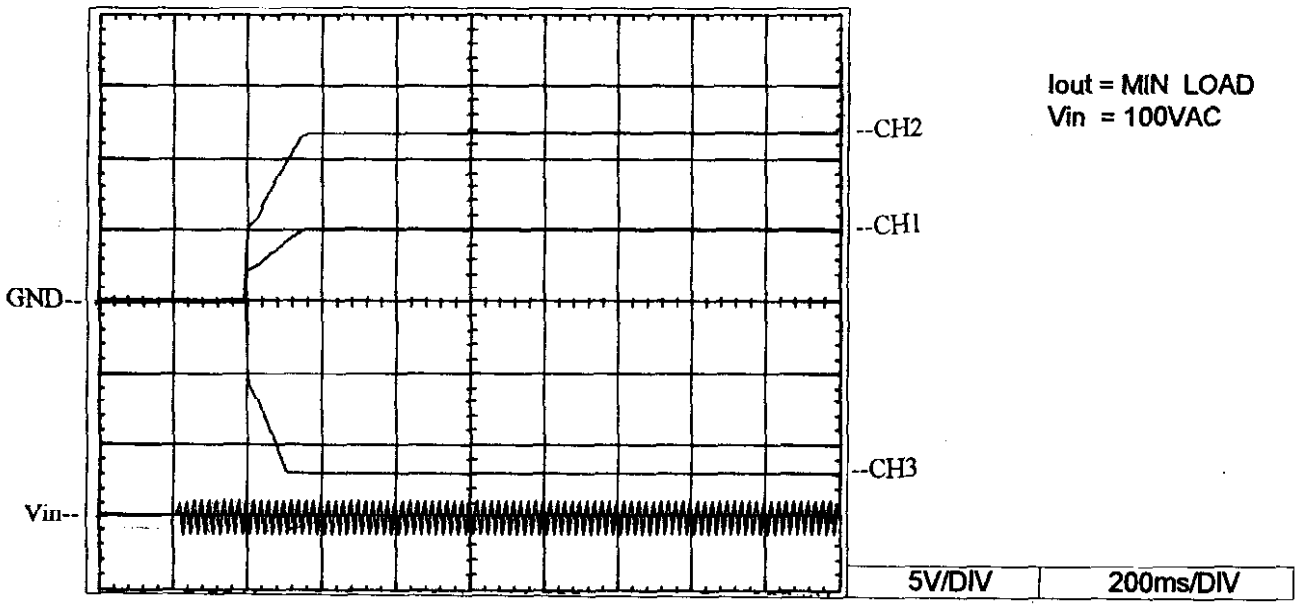
OUTPUT RISE TIME

Conditions

(A) Vin = 85VAC
(B) Vin = 100VAC
(C) Vin = 132VAC
Ta = 25 °C



Iout = MIN LOAD



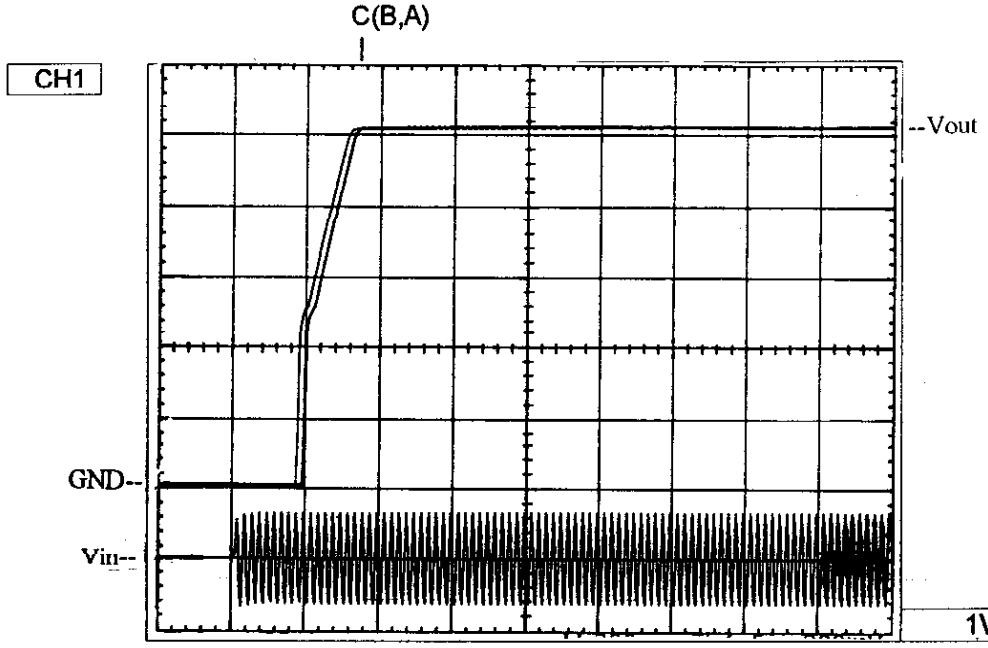
Iout = MIN LOAD
Vin = 100VAC

OUTPUT RISE TIME

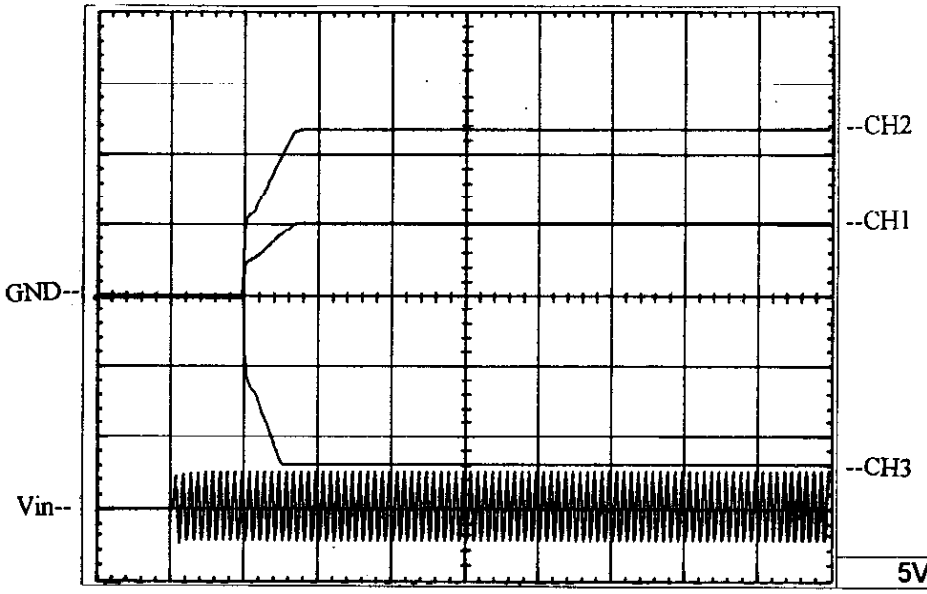
Conditions

(A) Vin = 170VAC
(B) Vin = 200VAC
(C) Vin = 265VAC
Ta = 25 °C

Iout = MIN LOAD



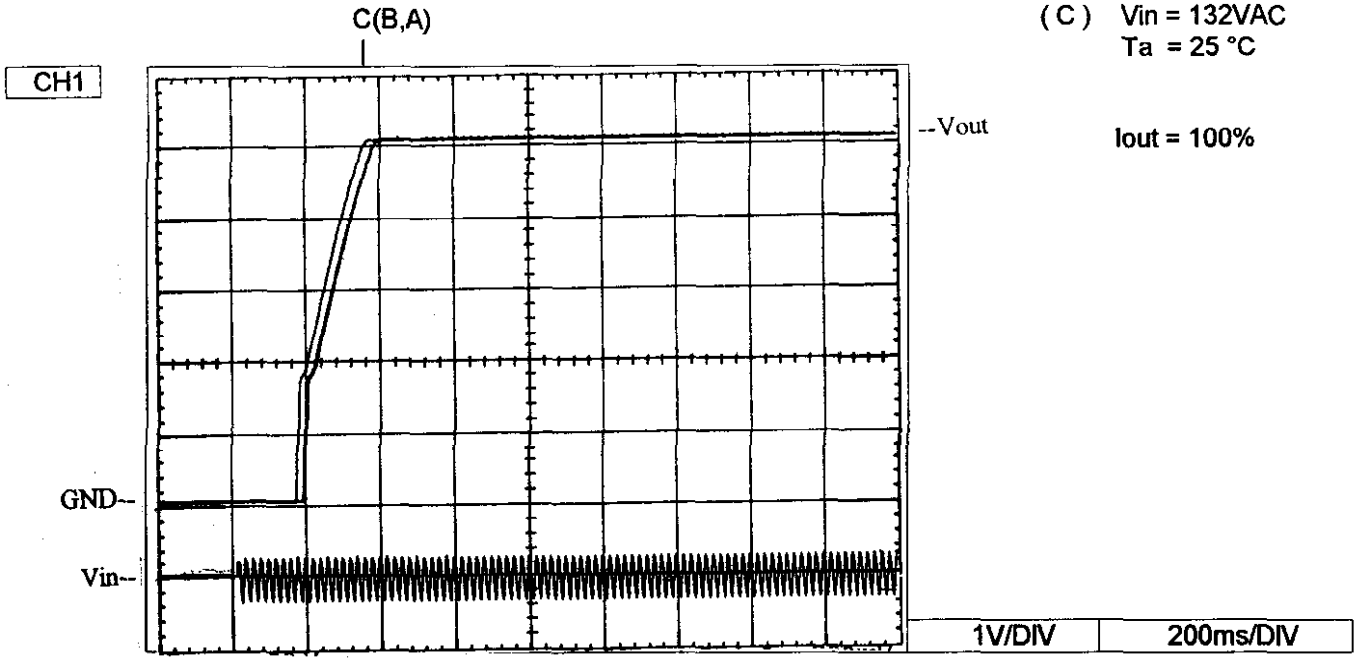
Iout = MIN LOAD
Vin = 200VAC



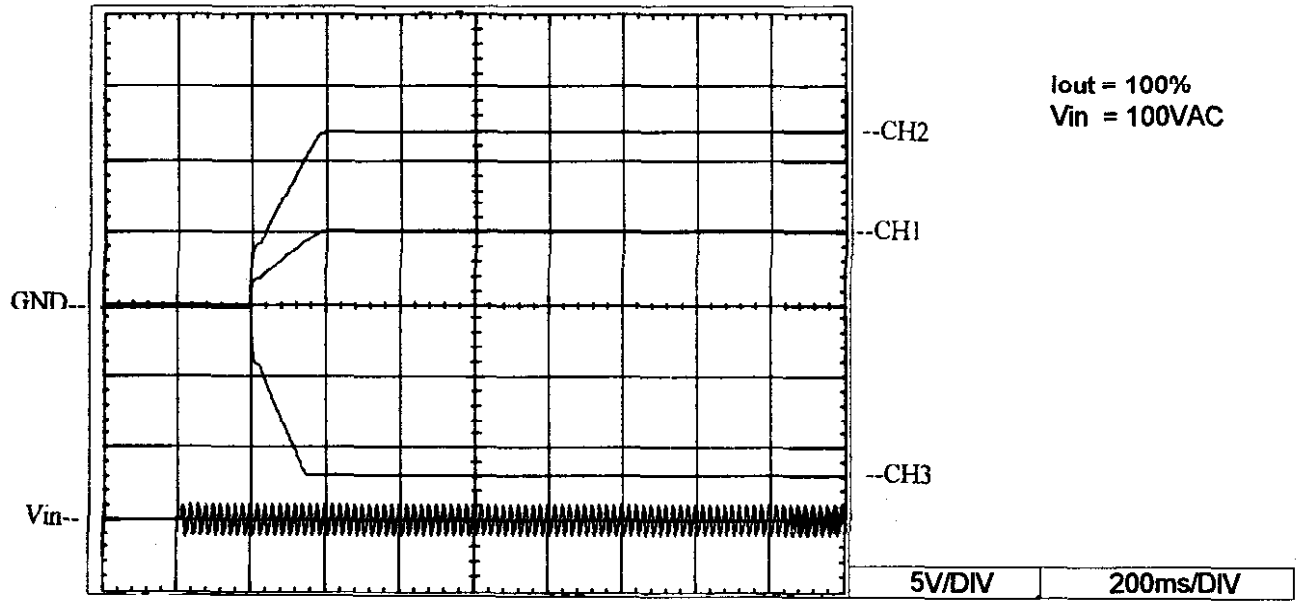
OUTPUT RISE TIME

Conditions

(A) Vin = 85VAC
(B) Vin = 100VAC
(C) Vin = 132VAC
Ta = 25 °C



Iout = 100%



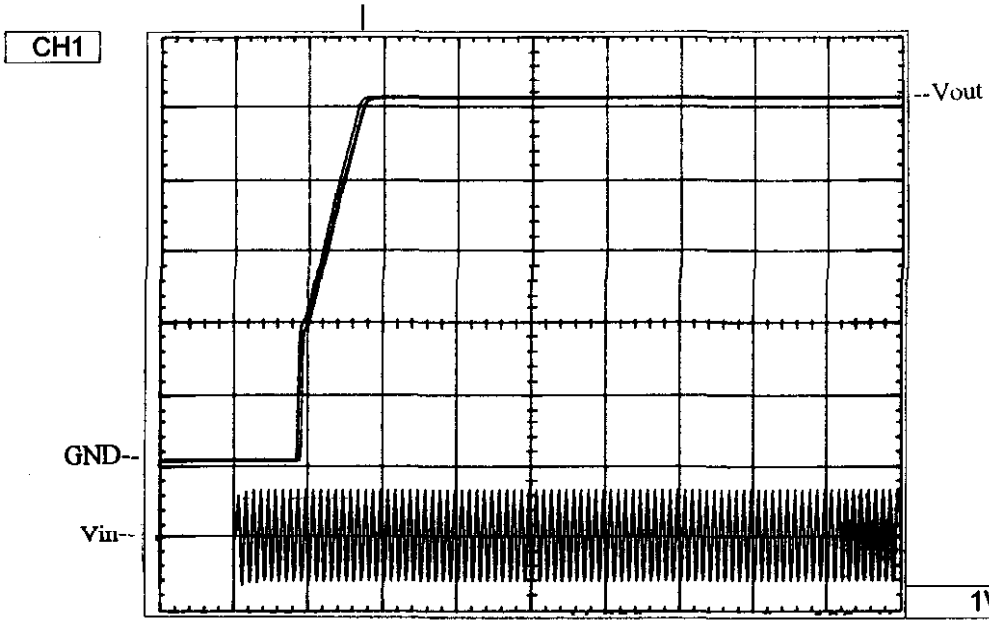
Iout = 100%
Vin = 100VAC

OUTPUT RISE TIME

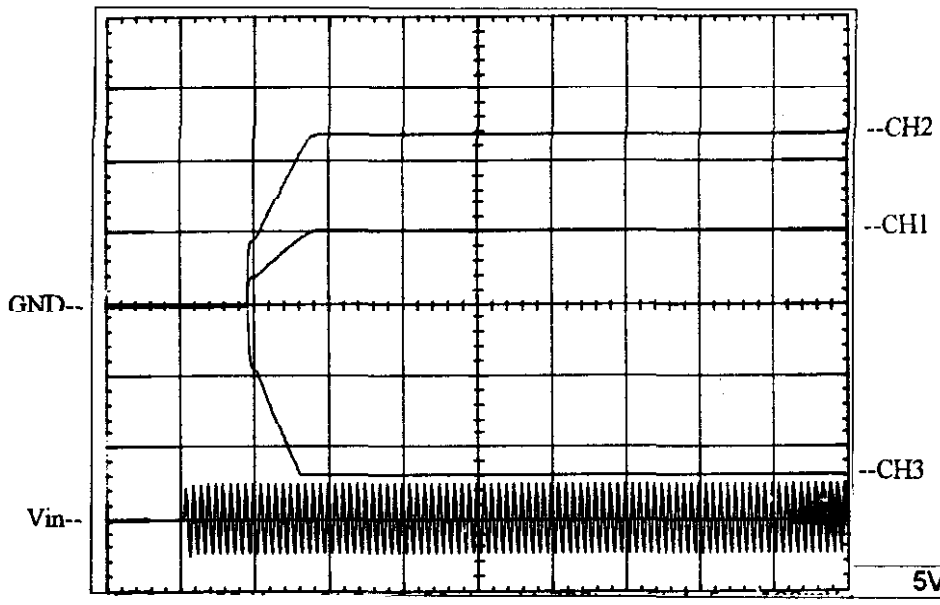
Conditions

(A) Vin = 170VAC
(B) Vin = 200VAC
(C) Vin = 265VAC
Ta = 25 °C

Iout = 100%

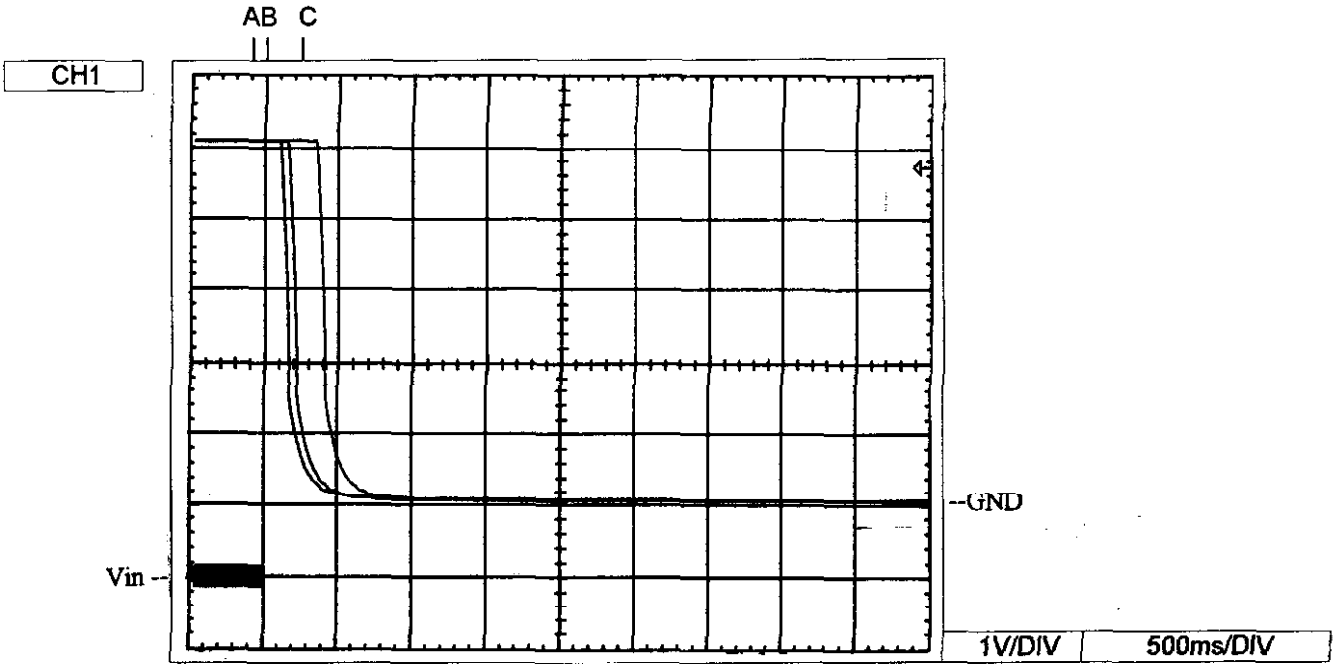


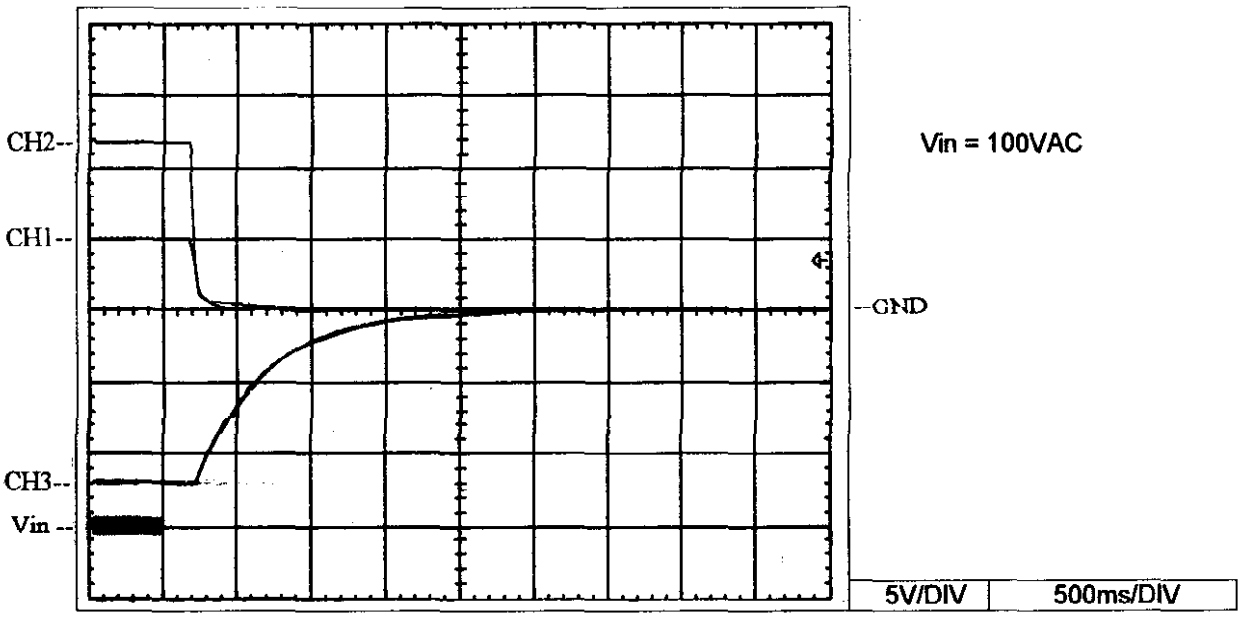
Iout = 100%
Vin = 200VAC



OUTPUT FALL TIME

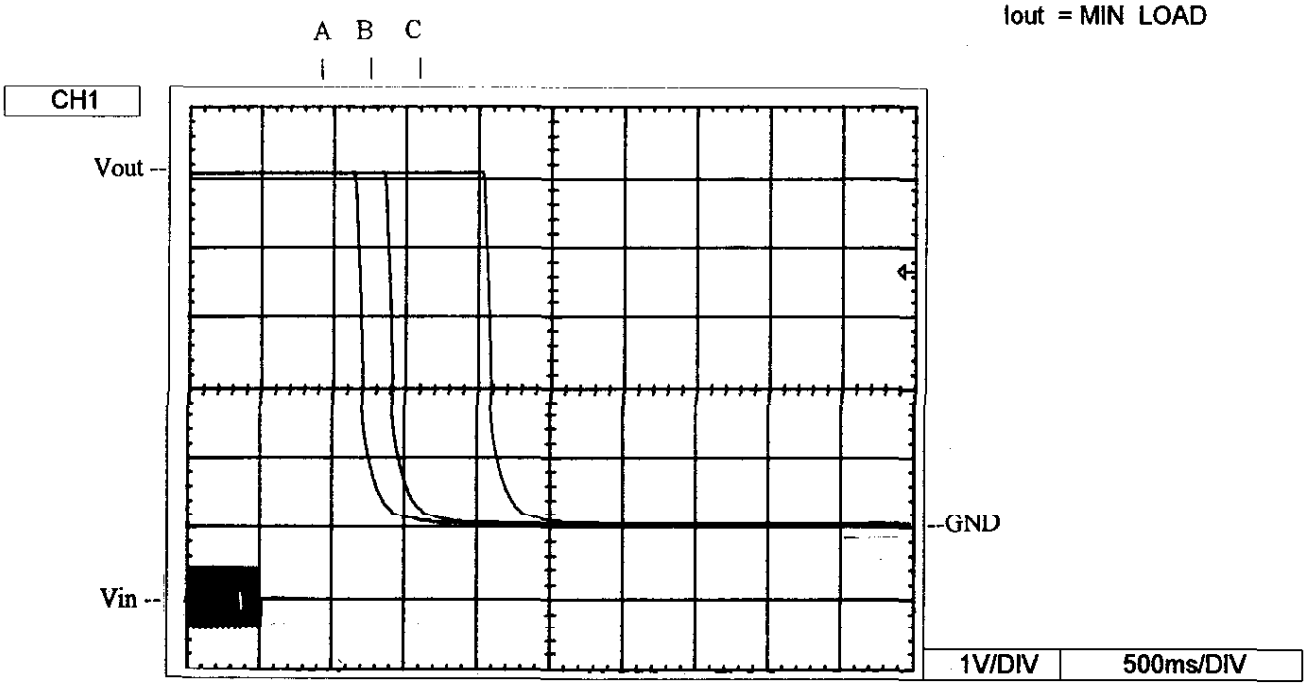
Conditions
(A) Vin = 85VAC
(B) Vin = 100VAC
(C) Vin = 132VAC
Ta = 25°C
Iout = MIN LOAD

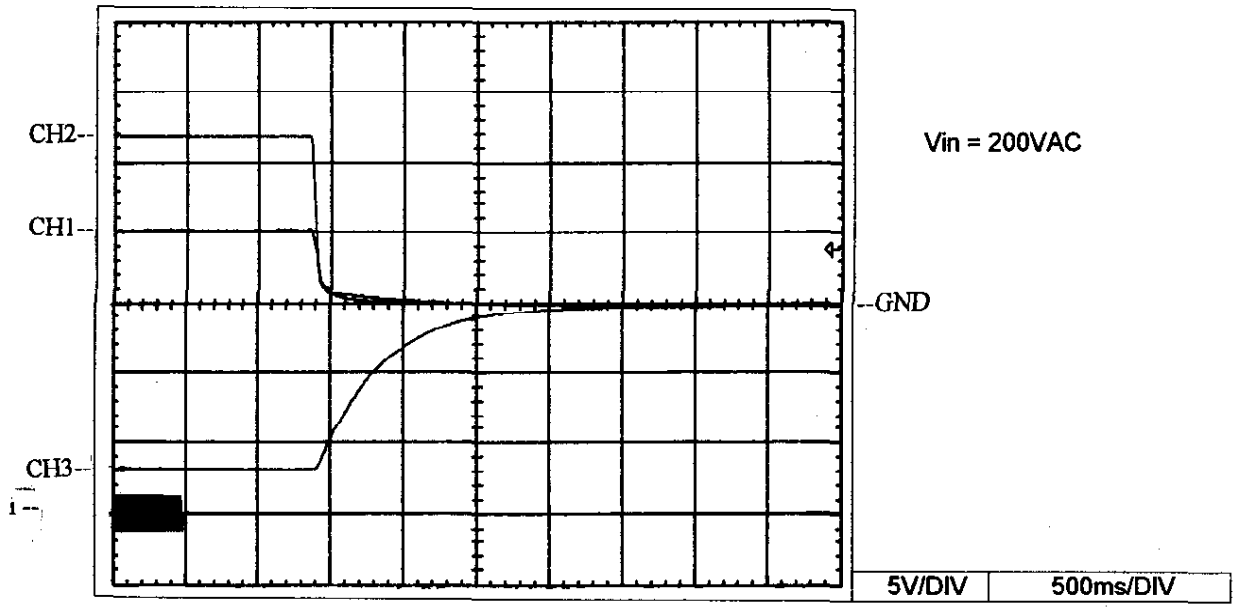




OUTPUT FALL TIME

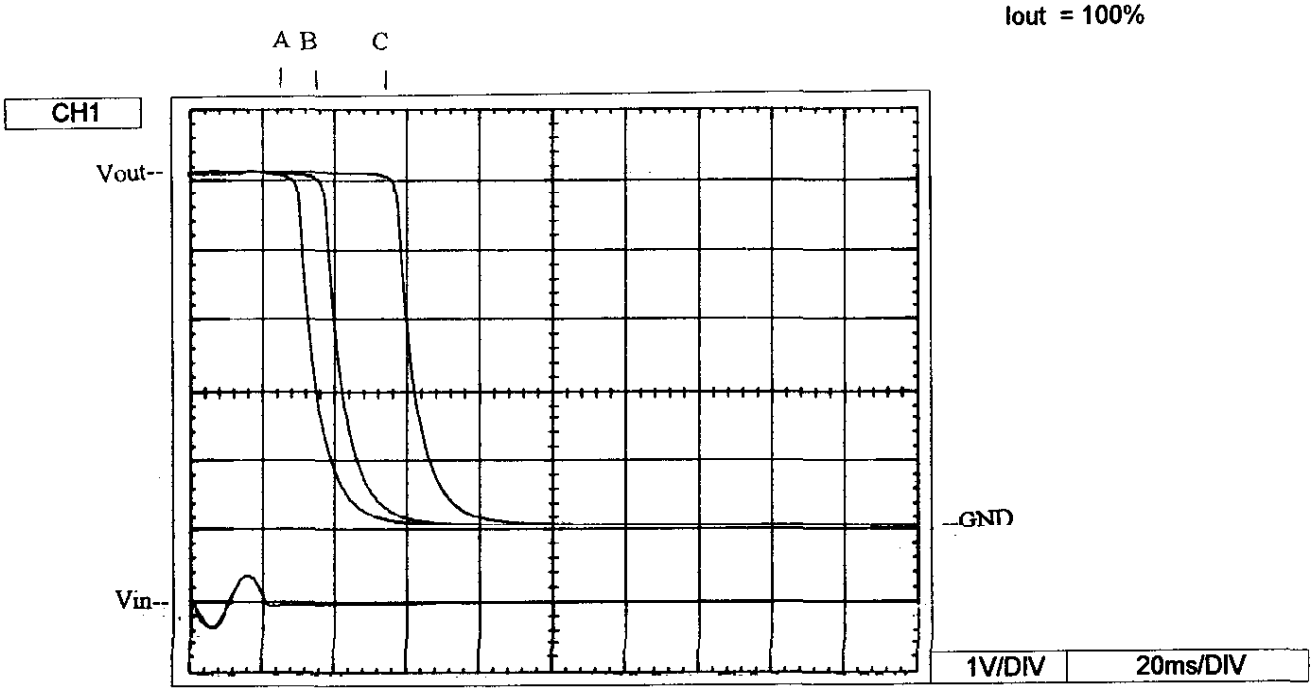
Conditions
(A) Vin = 170VAC
(B) Vin = 200VAC
(C) Vin = 265VAC
Ta = 25°C
Iout = MIN LOAD

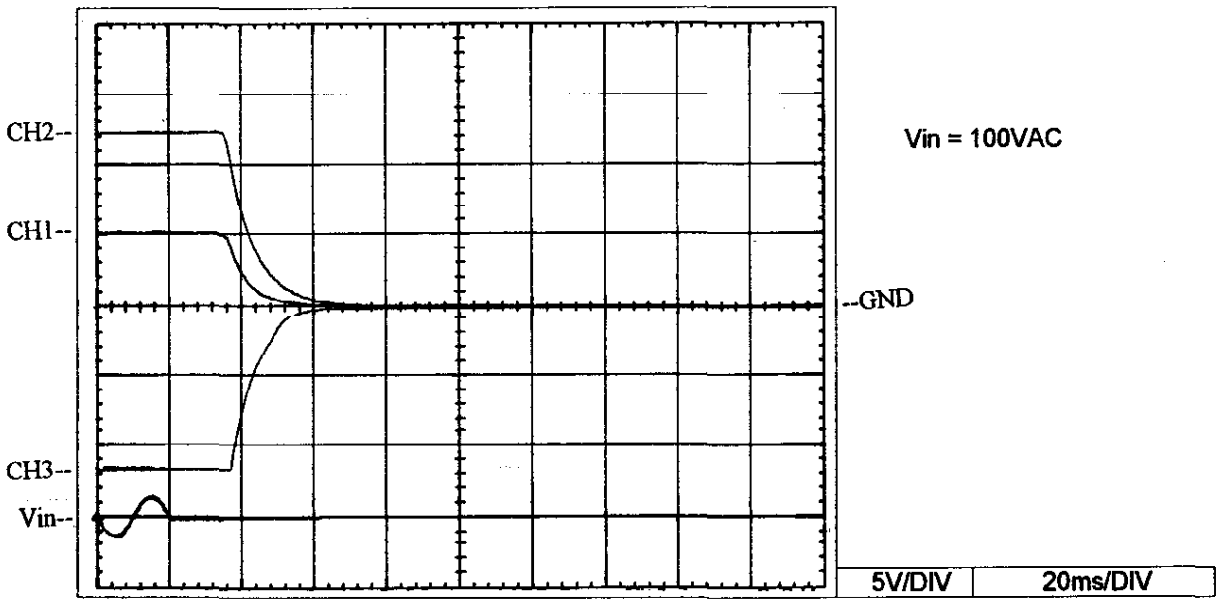




OUTPUT FALL TIME

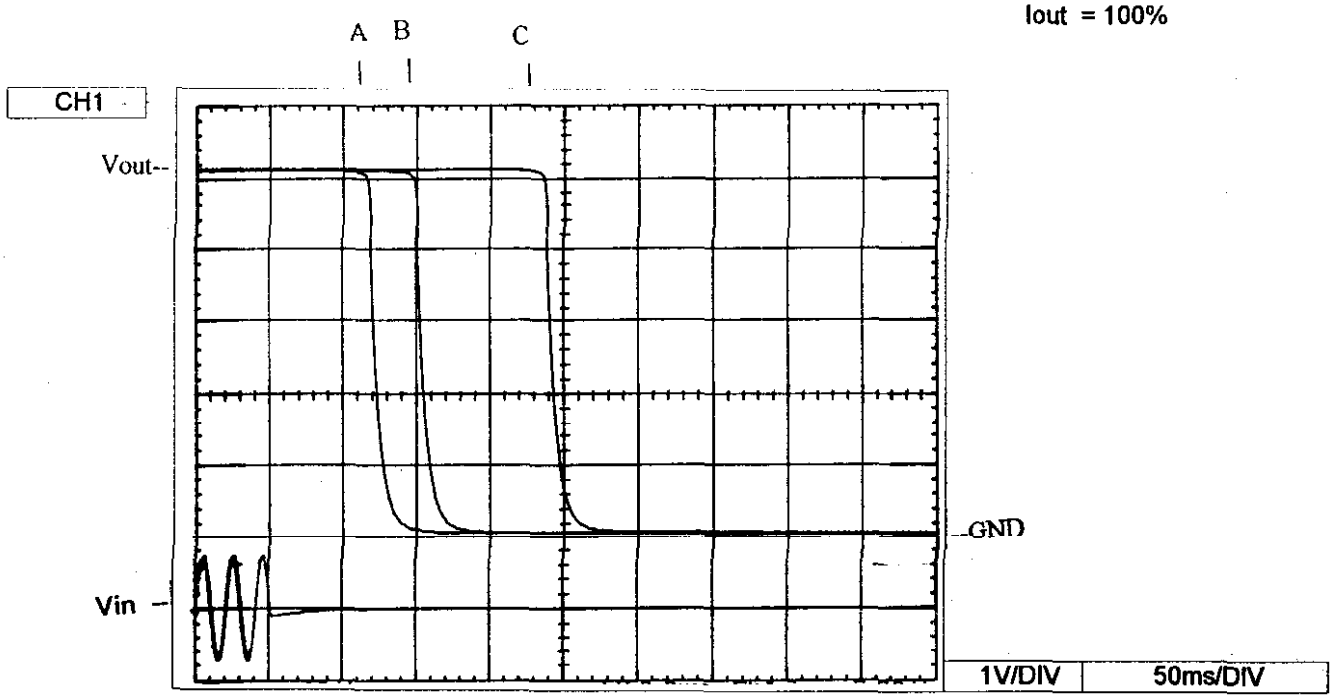
Conditions
(A) Vin = 85VAC
(B) Vin = 100VAC
(C) Vin = 132VAC
Ta = 25°C
Iout = 100%

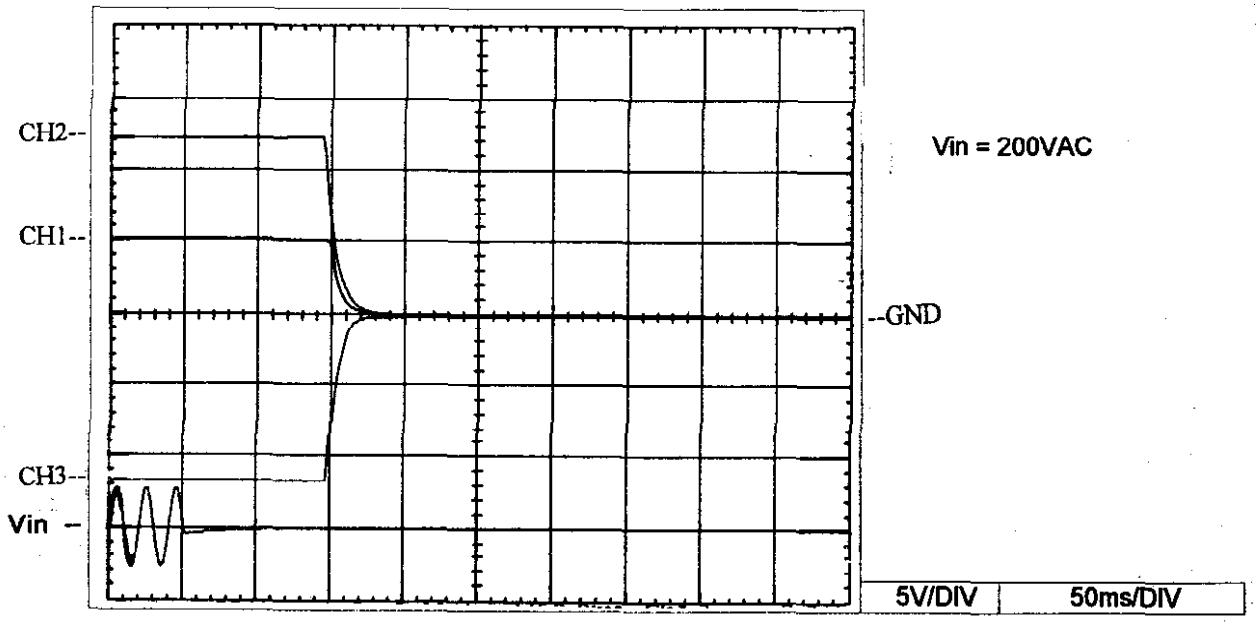




OUTPUT FALL TIME

Conditions (A) Vin = 170VAC
(B) Vin = 200VAC
(C) Vin = 265VAC
Ta = 25°C
Iout = 100%

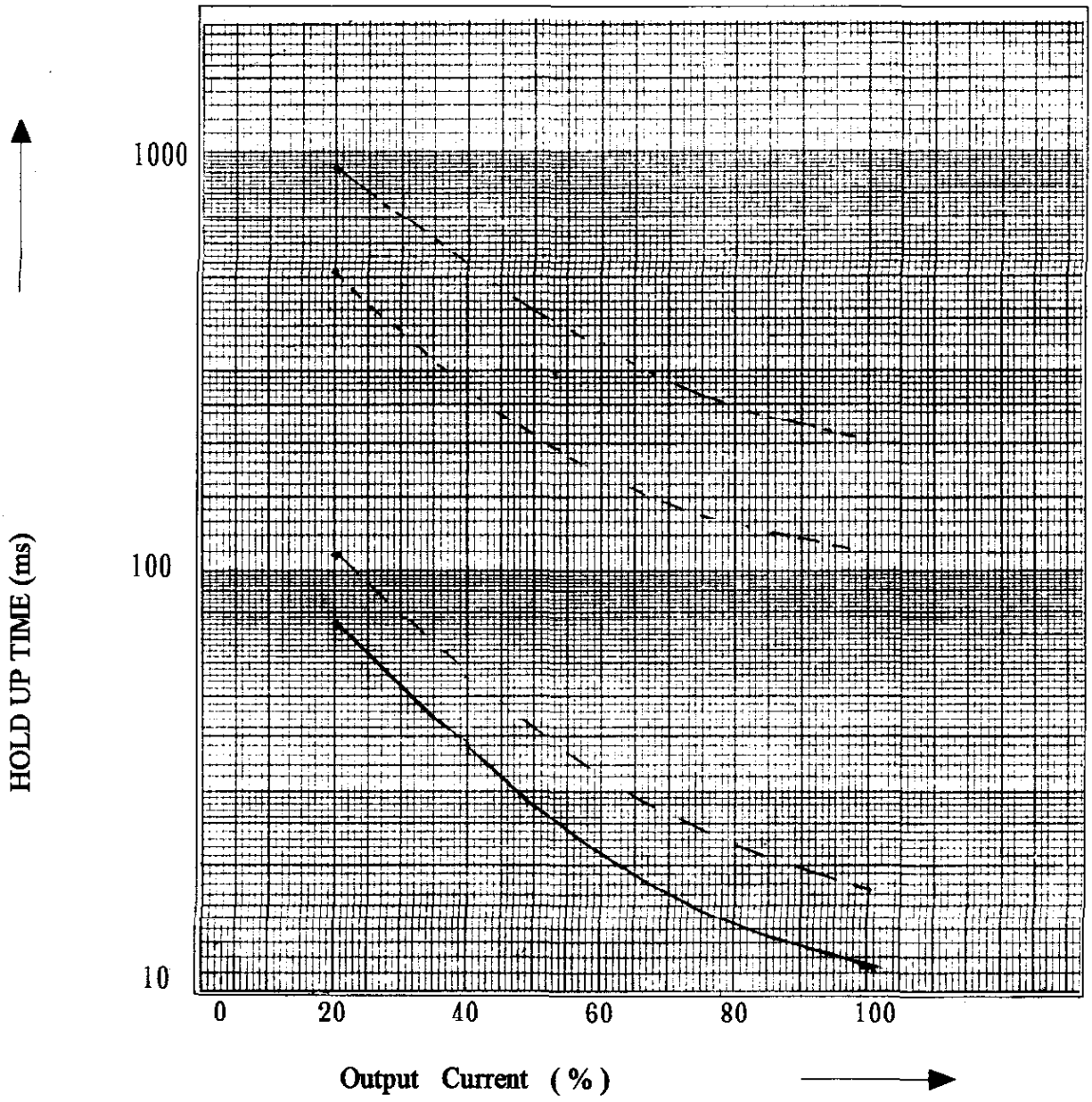




HOLD UP TIME

Conditions

Vin = 85VAC
100VAC
200VAC
265VAC
Ta = 25 °C



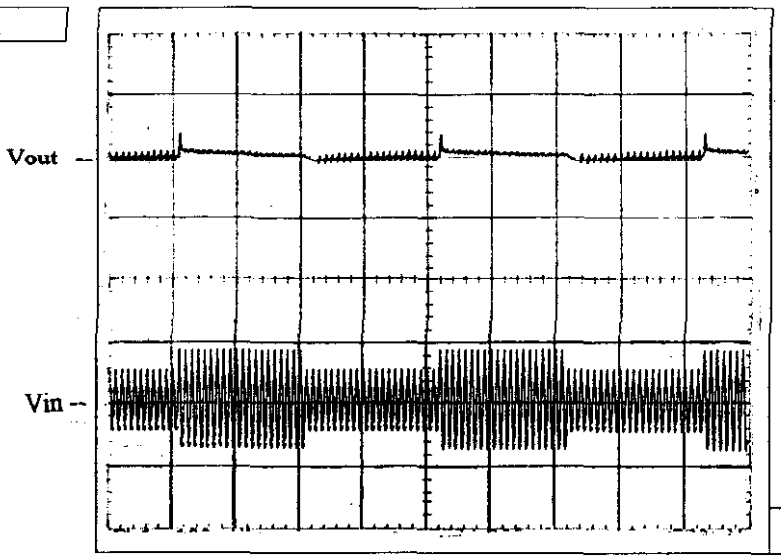
DYNAMIC LINE RESPONSE

SWT40-522

Conditions Iout = 100%
Ta = 25 °C

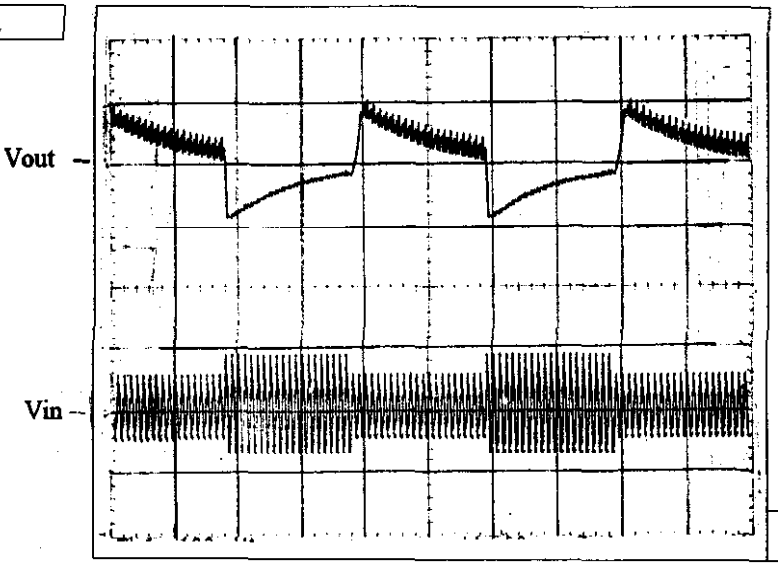
Vin : 85VAC ◄——► 132VAC

CH1



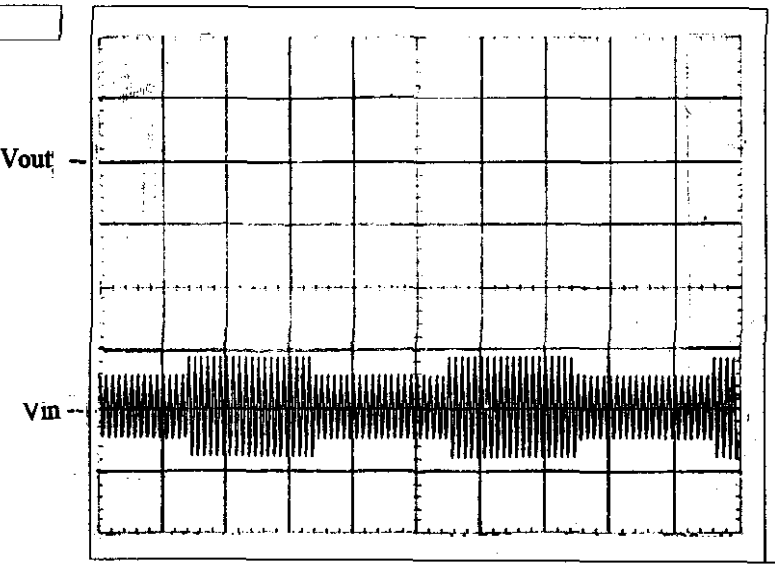
100mV/DIV 200mS/DIV

CH2



100mV/DIV 200mS/DIV

CH3



100mV/DIV 200mS/DIV

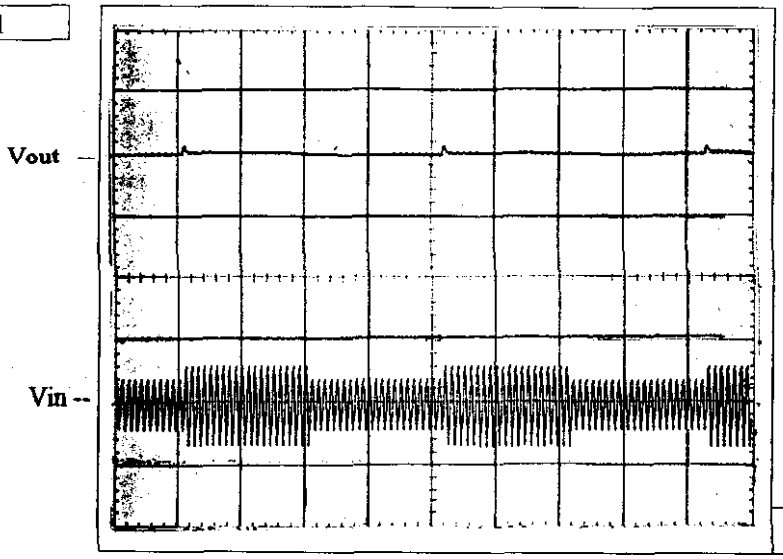
DYNAMIC LINE RESPONSE

SWT40-522

Conditions Iout = 100%
Ta = 25 °C

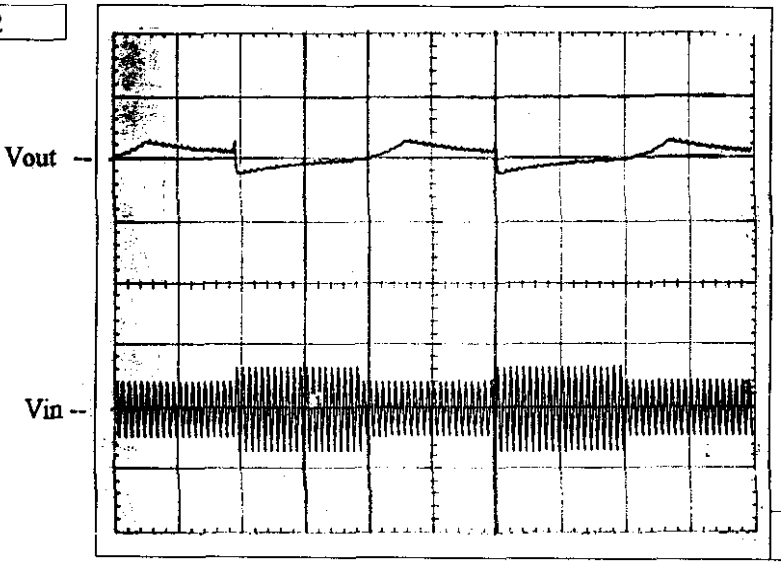
Vin : 170VAC ◄——► 265VAC

CH1



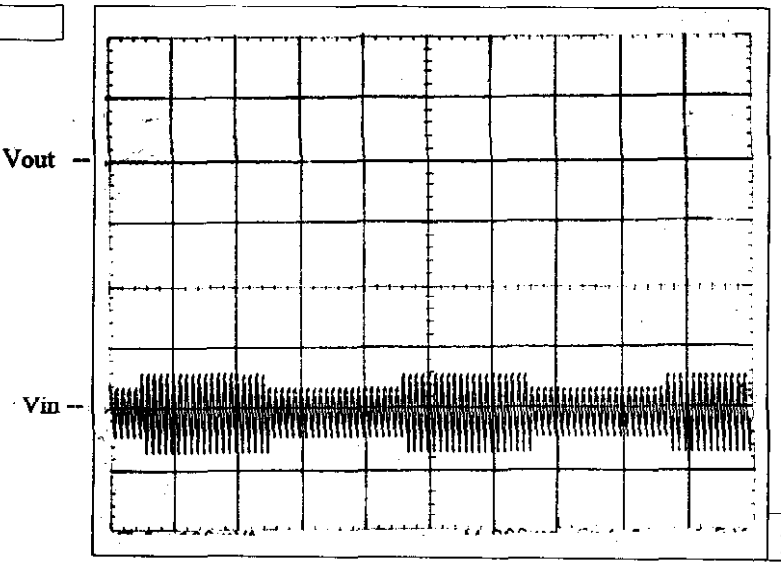
100mV/DIV | 200mS/DIV

CH2



100mV/DIV | 200mS/DIV

CH3



100mV/DIV | 200mS/DIV

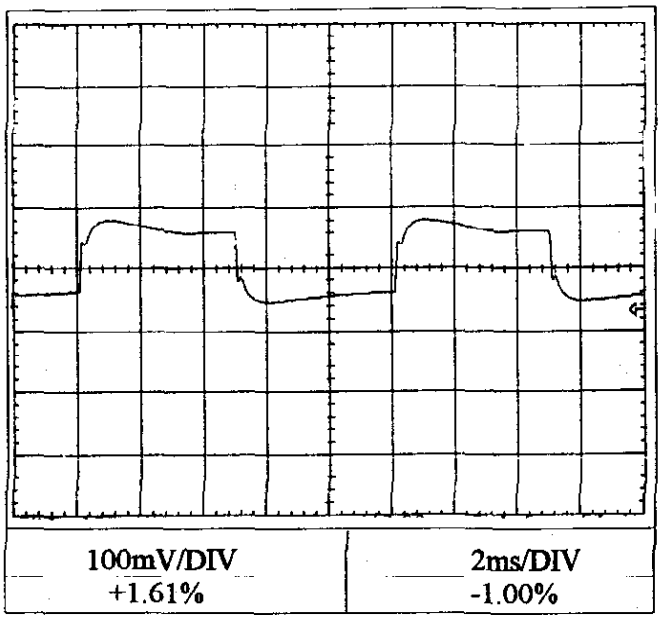
DYNAMIC LOAD RESPONSE

SWT40-522

CH1

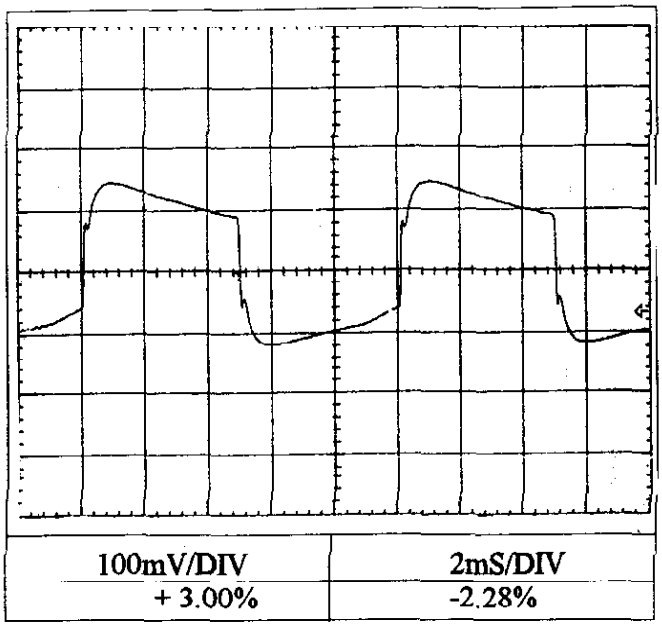
Conditions Ta = 25 °C
Vin = 100VAC
CH2,CH3: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



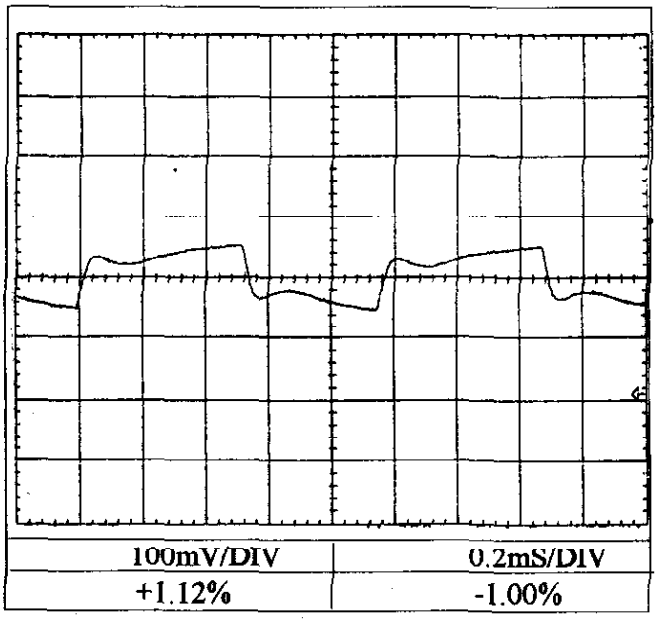
100mV/DIV	2ms/DIV
+1.61%	-1.00%

Iout Min ◄——► 100% f=100Hz



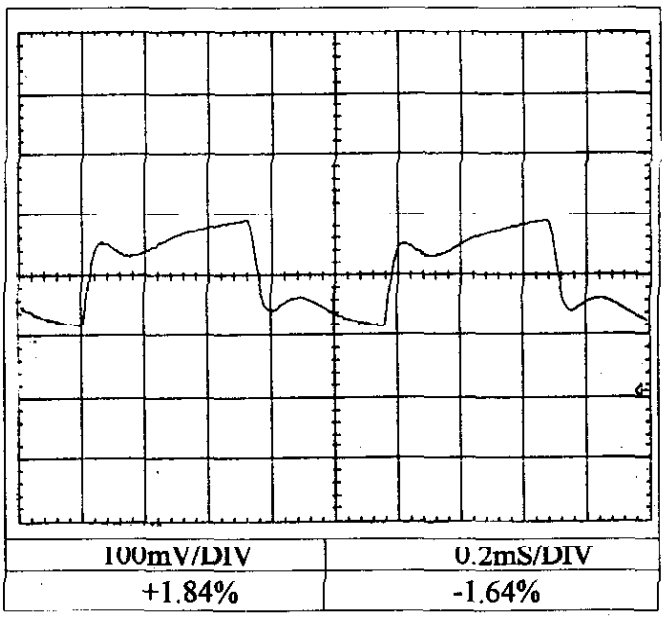
100mV/DIV	2mS/DIV
+ 3.00%	-2.28%

Iout 50% ◄——►100% f = 1kHz



100mV/DIV	0.2mS/DIV
+1.12%	-1.00%

Iout Min ◄——► 100% f=1kHz



100mV/DIV	0.2mS/DIV
+1.84%	-1.64%

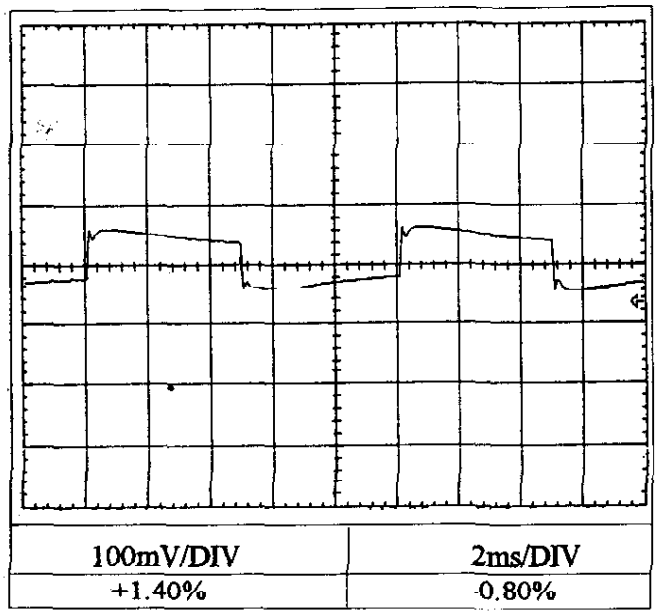
DYNAMIC LOAD RESPONSE

SWT40-522

CH1

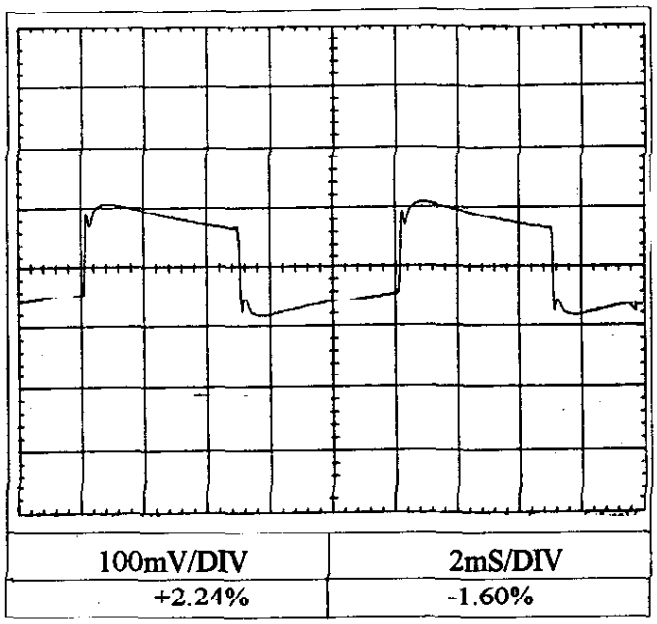
Conditions Ta = 25 °C
Vin = 200VAC
CH2,CH3: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



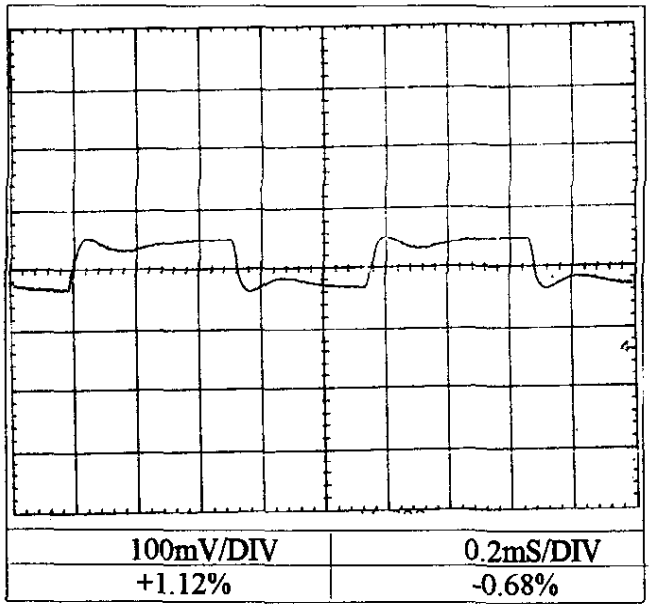
100mV/DIV	2ms/DIV
+1.40%	-0.80%

Iout Min ◄——► 100% f=100Hz



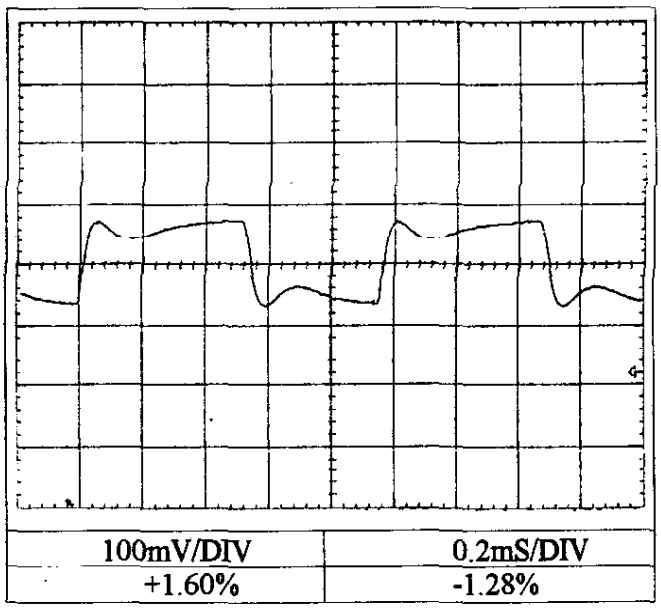
100mV/DIV	2mS/DIV
+2.24%	-1.60%

Iout 50% ◄——► 100% f = 1kHz



100mV/DIV	0.2mS/DIV
+1.12%	-0.68%

Iout Min ◄——► 100% f=1kHz



100mV/DIV	0.2mS/DIV
+1.60%	-1.28%

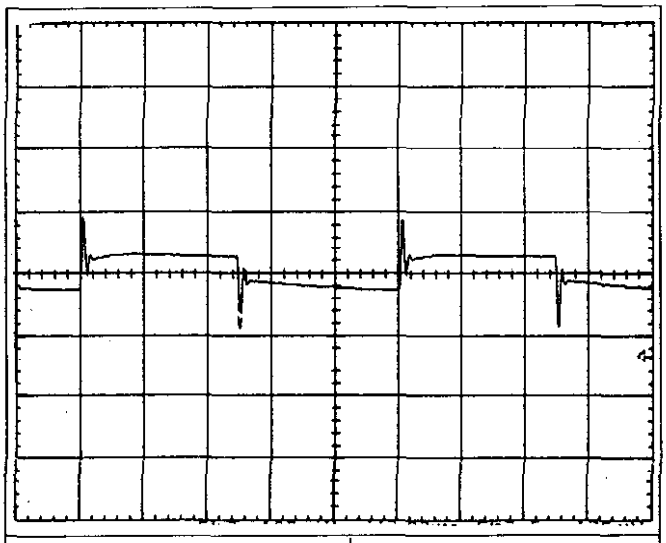
DYNAMIC LOAD RESPONSE

SWT40-522

CH2

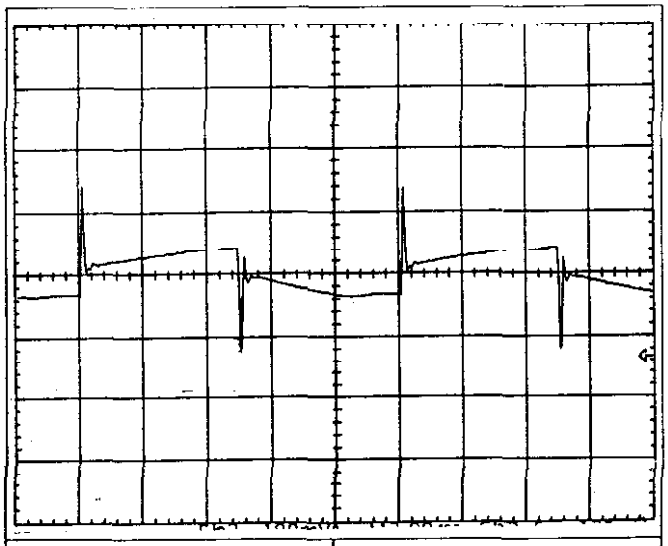
Conditions Ta = 25 °C
Vin = 100VAC
CH1,CH3: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



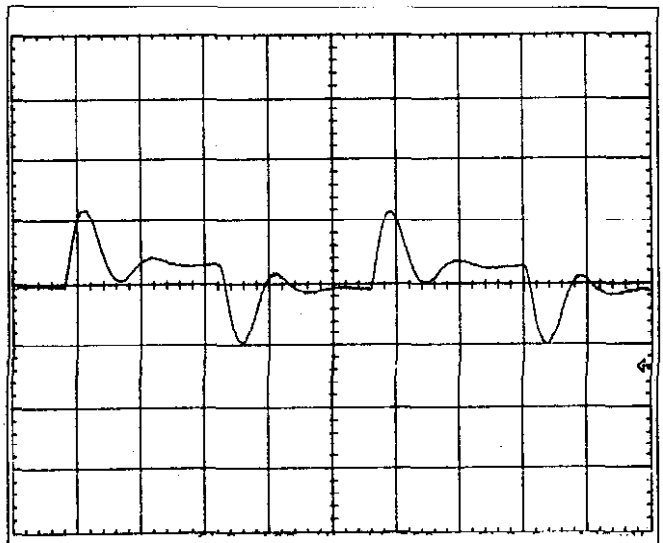
100mV/DIV	2ms/DIV
+0.77%	-0.72%

Iout Min ◄——► 100% f=100Hz



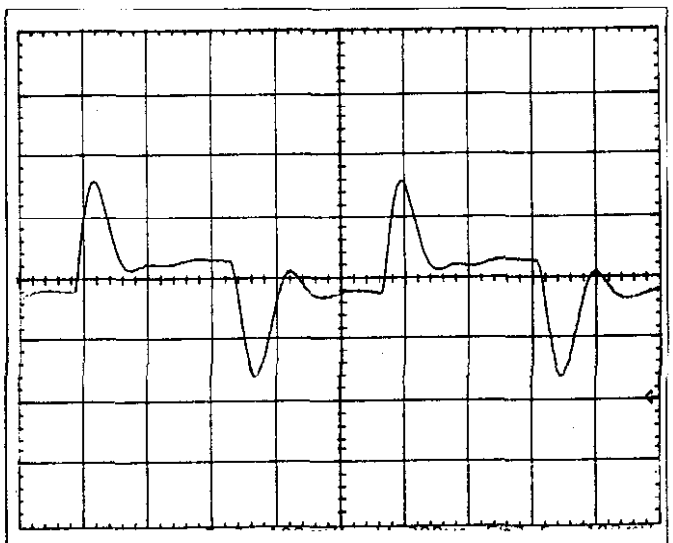
100mV/DIV	2mS/DIV
+ 1.18%	-1.05%

Iout 50% ◄——►100% f = 1kHz



100mV/DIV	0.2mS/DIV
+1.03%	-0.83%

Iout Min ◄——► 100% f=1kHz



100mV/DIV	0.2mS/DIV
+1.35%	-1.35%

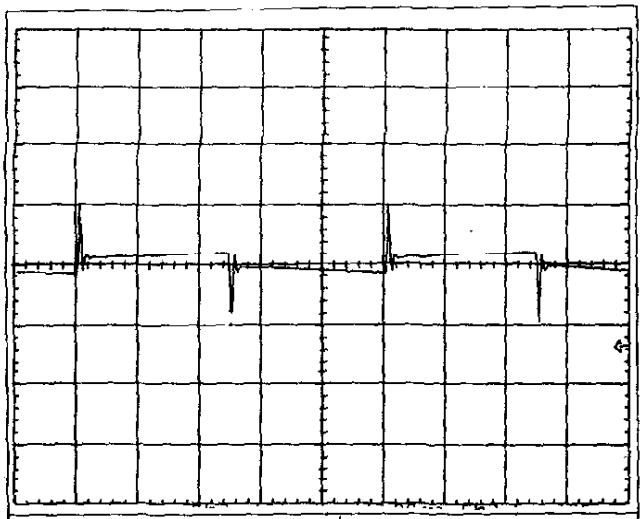
DYNAMIC LOAD RESPONSE

SWT40-522

CH2

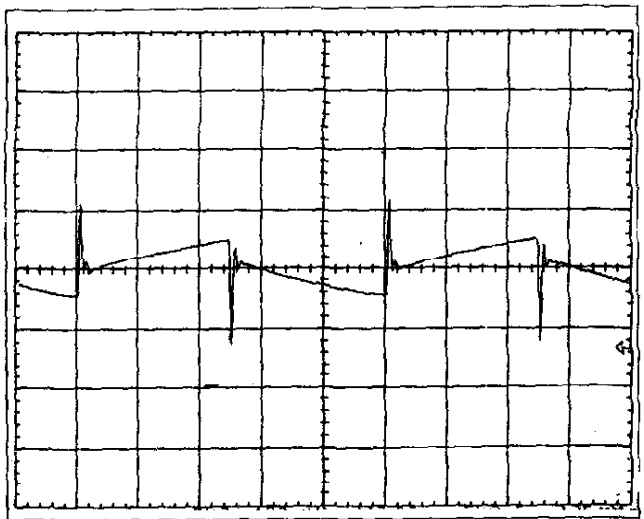
Conditions Ta = 25 °C
Vin - 200VAC
CH1,CH3: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



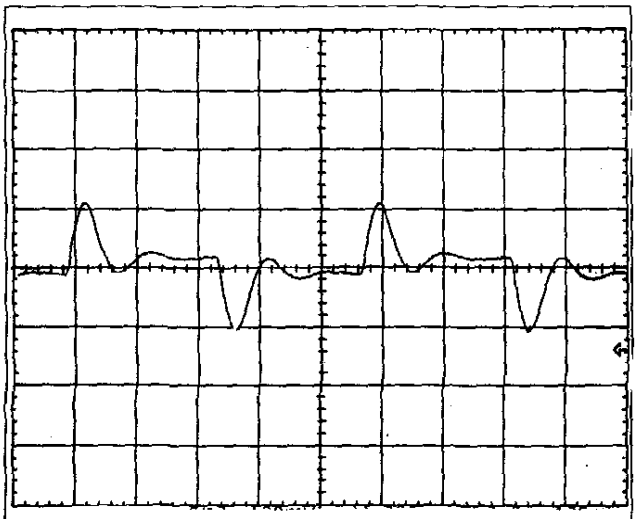
100mV/DIV	2ms/DIV
+0.85%	-0.80%

Iout Min ◄——► 100% f=100Hz



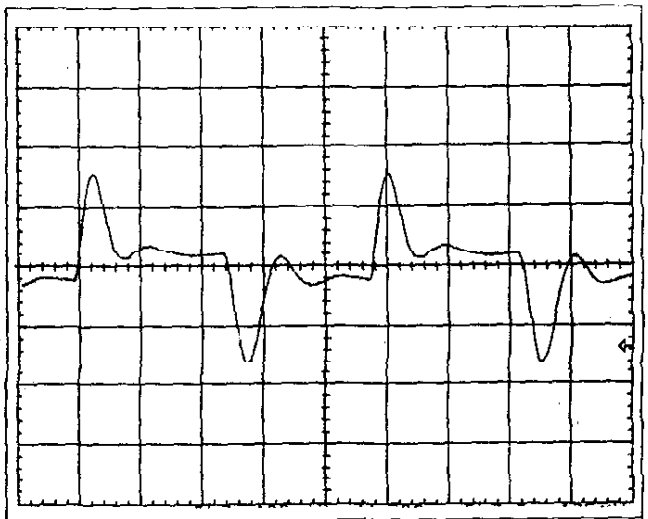
100mV/DIV	2mS/DIV
+ 1.00%	-1.00%

Iout 50% ◄——►100% f = 1kHz



100mV/DIV	0.2mS/DIV
+0.93%	-0.87%

Iout Min ◄——► 100% f=1kHz



100mV/DIV	0.2mS/DIV
+1.30%	-1.33%

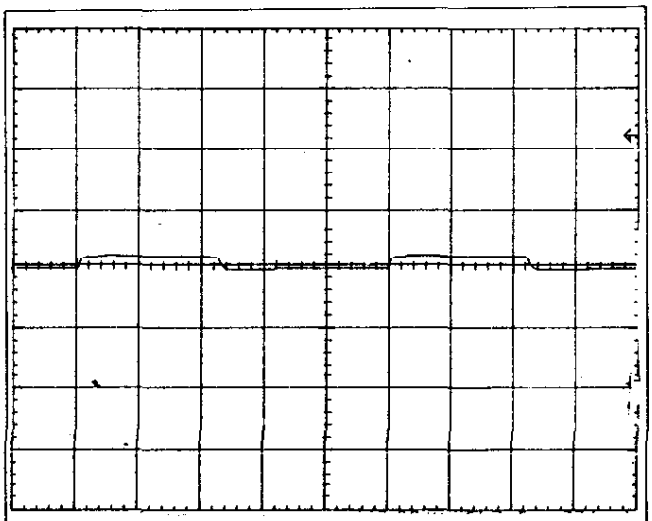
DYNAMIC LOAD RESPONSE

SWT40-522

CH3

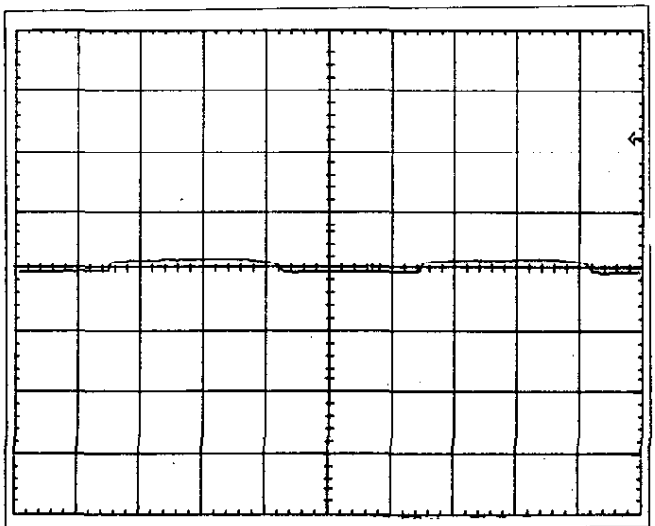
Conditions Ta = 25 °C
Vin = 100VAC
CH1,CH2: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



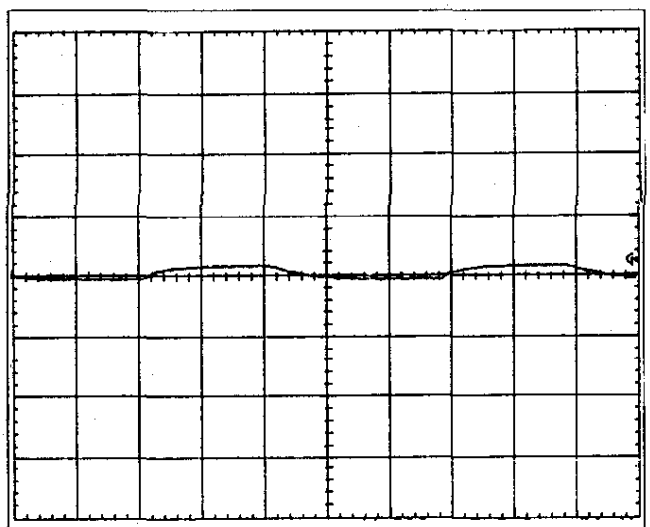
100mV/DIV	2ms/DIV
+0.15%	-0.07%

Iout Min ◄——► 100% f=100Hz



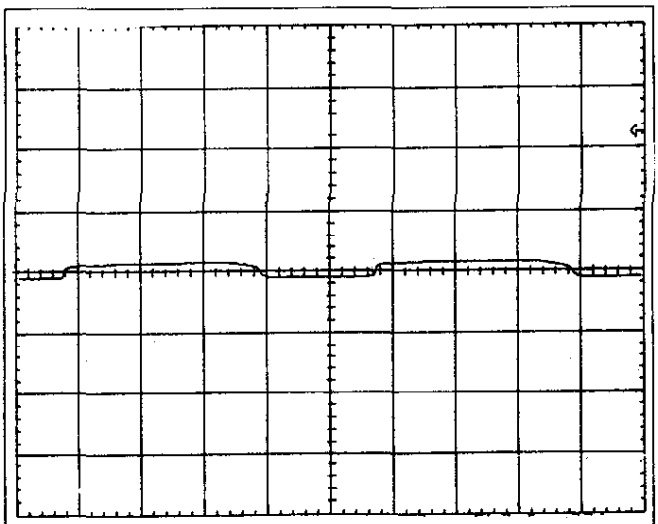
100mV/DIV	2mS/DIV
+ 0.13%	-0.07%

Iout 50% ◄——►100% f = 1kHz



100mV/DIV	0.2mS/DIV
+0.15%	-0.05%

Iout Min ◄——► 100% f=1kHz



100mV/DIV	0.2mS/DIV
+0.13%	-0.08%

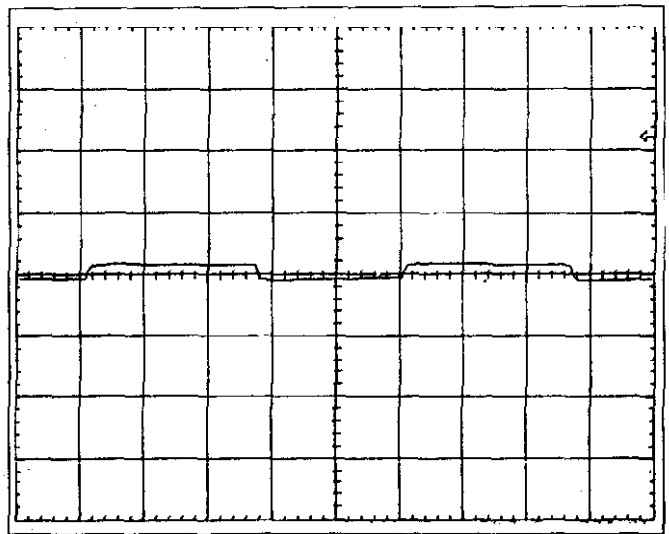
DYNAMIC LOAD RESPONSE

SWT40-522

CH3

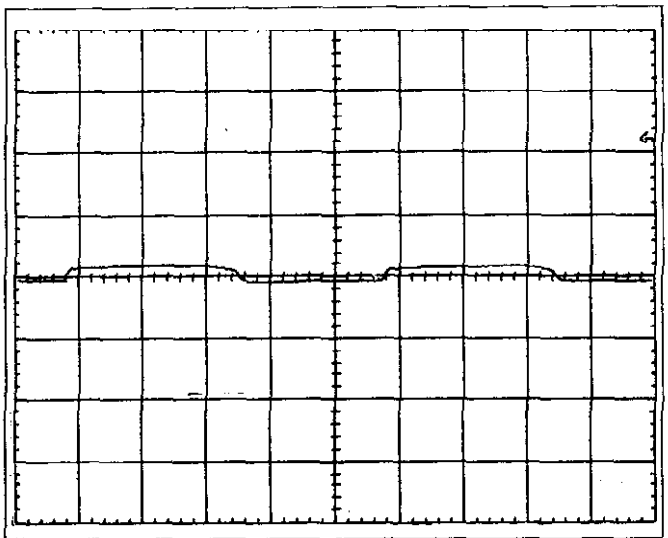
Conditions Ta = 25 °C
Vin = 200VAC
CH1,CH2: Iout = 100%

Iout 50% ◄——► 100% f = 100Hz



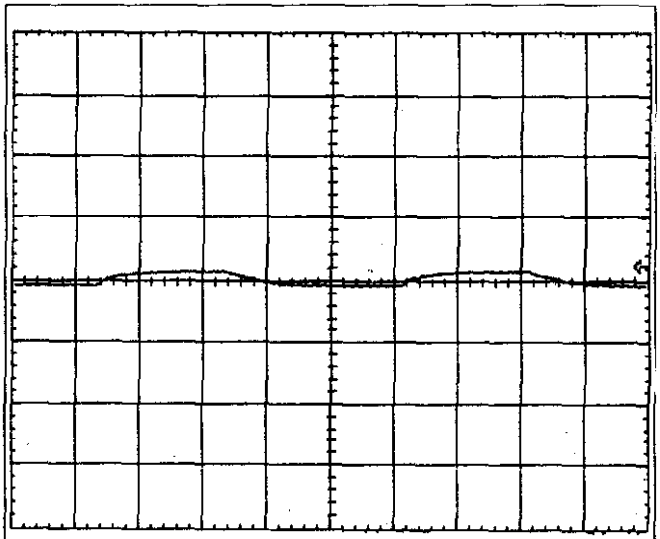
100mV/DIV	2ms/DIV
+0.15%	-0.05%

Iout Min ◄——► 100% f=100Hz



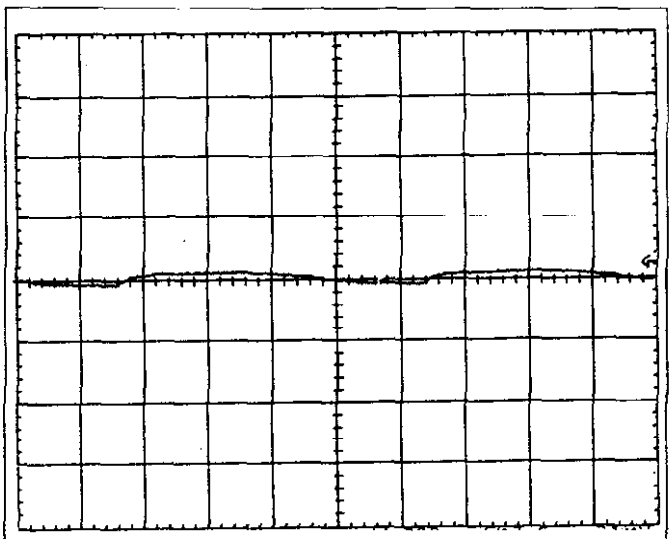
100mV/DIV	2mS/DIV
+ 0.15%	-0.07%

Iout 50% ◄——►100% f = 1kHz



100mV/DIV	0.2mS/DIV
+0.13%	-0.07%

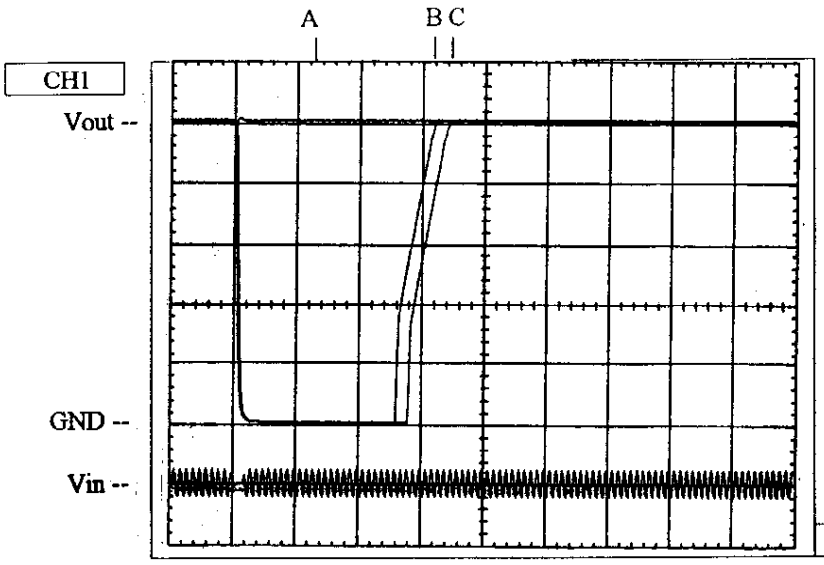
Iout Min ◄——► 100% f=1kHz



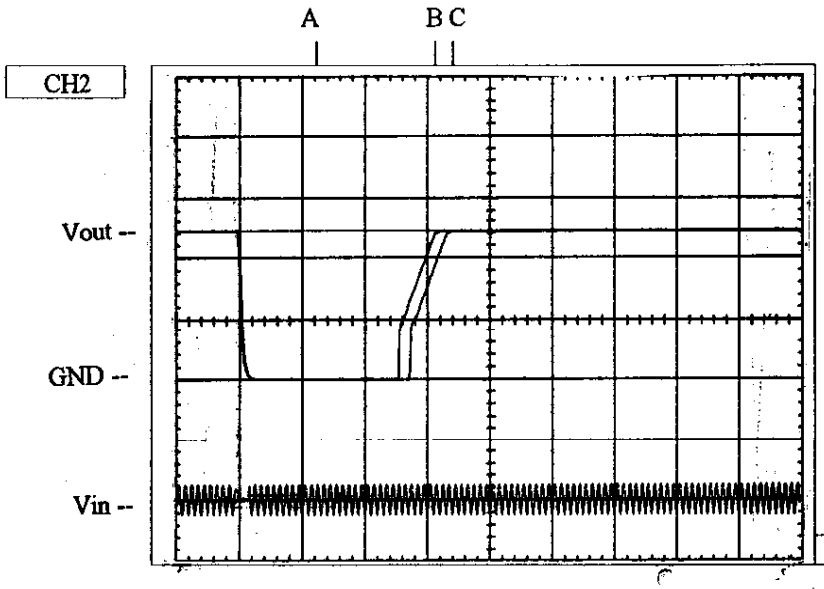
100mV/DIV	0.2mS/DIV
+0.12%	-0.07%

RESPONSE TO BROWN OUT

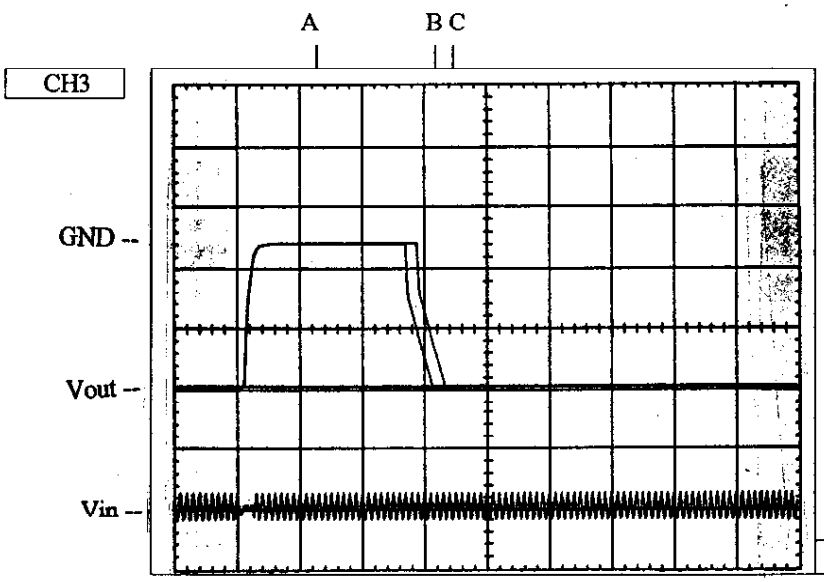
Conditions
Vin = 100VAC
Iout = 100%
Ta = 25°C



Brown out time
A: 18ms
B: 19ms
C: 45ms



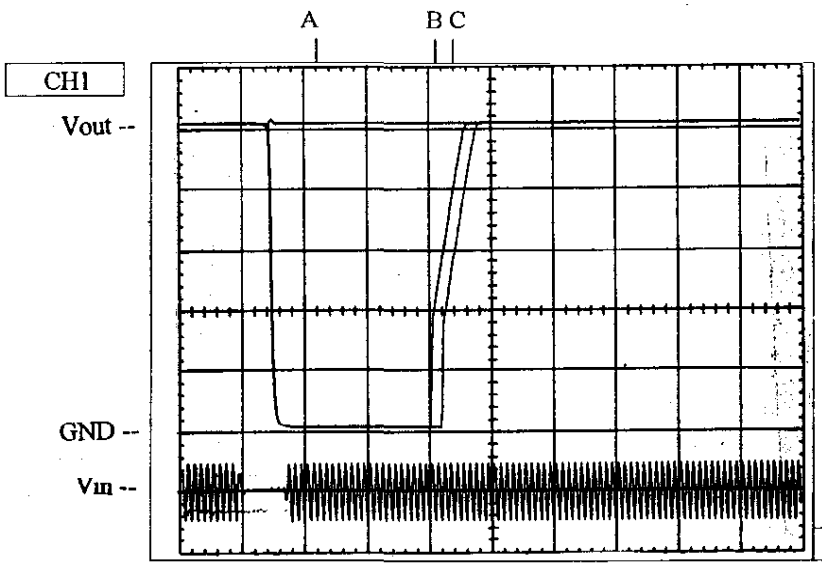
Brown out time
A: 18ms
B: 19ms
C: 45ms



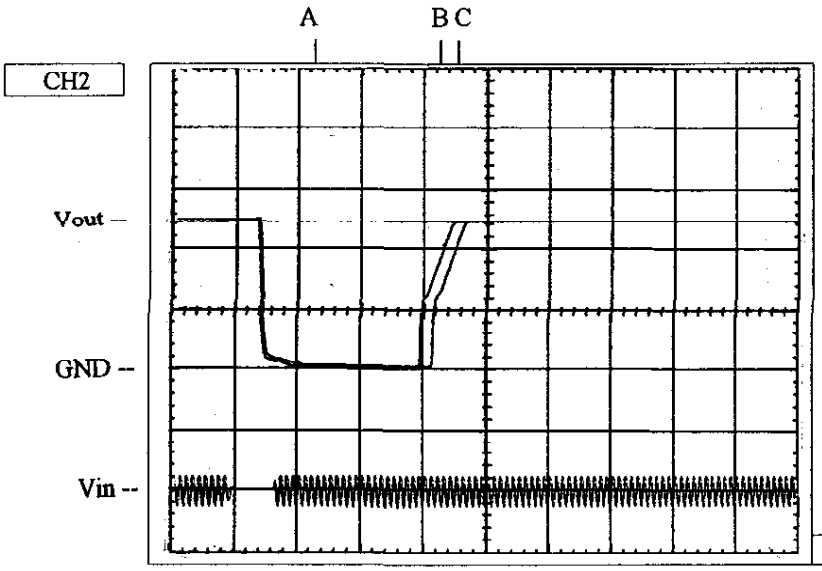
Brown out time
A: 18ms
B: 19ms
C: 45ms

RESPONSE TO BROWN OUT

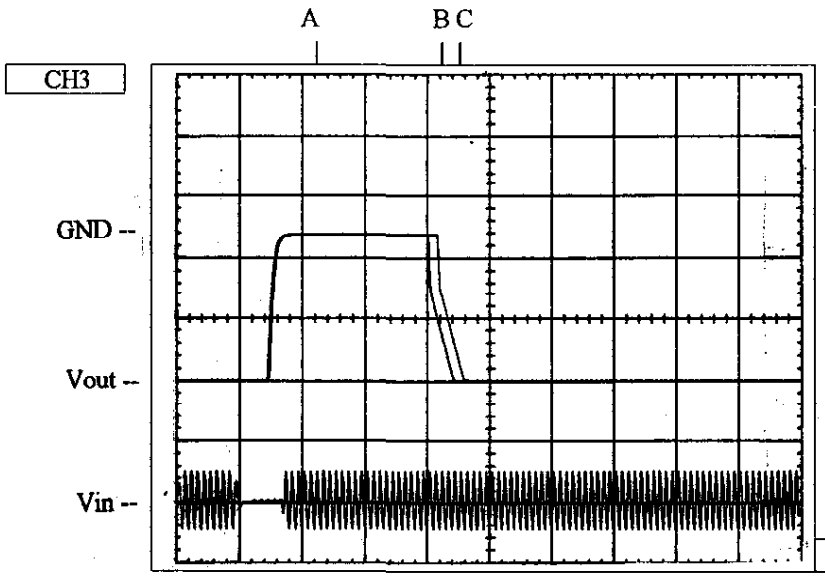
Conditions Vin = 200VAC
Iout = 100%
Ta = 25°C



Brown out time
A: 105ms
B: 125ms
C: 155ms



Brown out time
A: 105ms
B: 125ms
C: 155ms

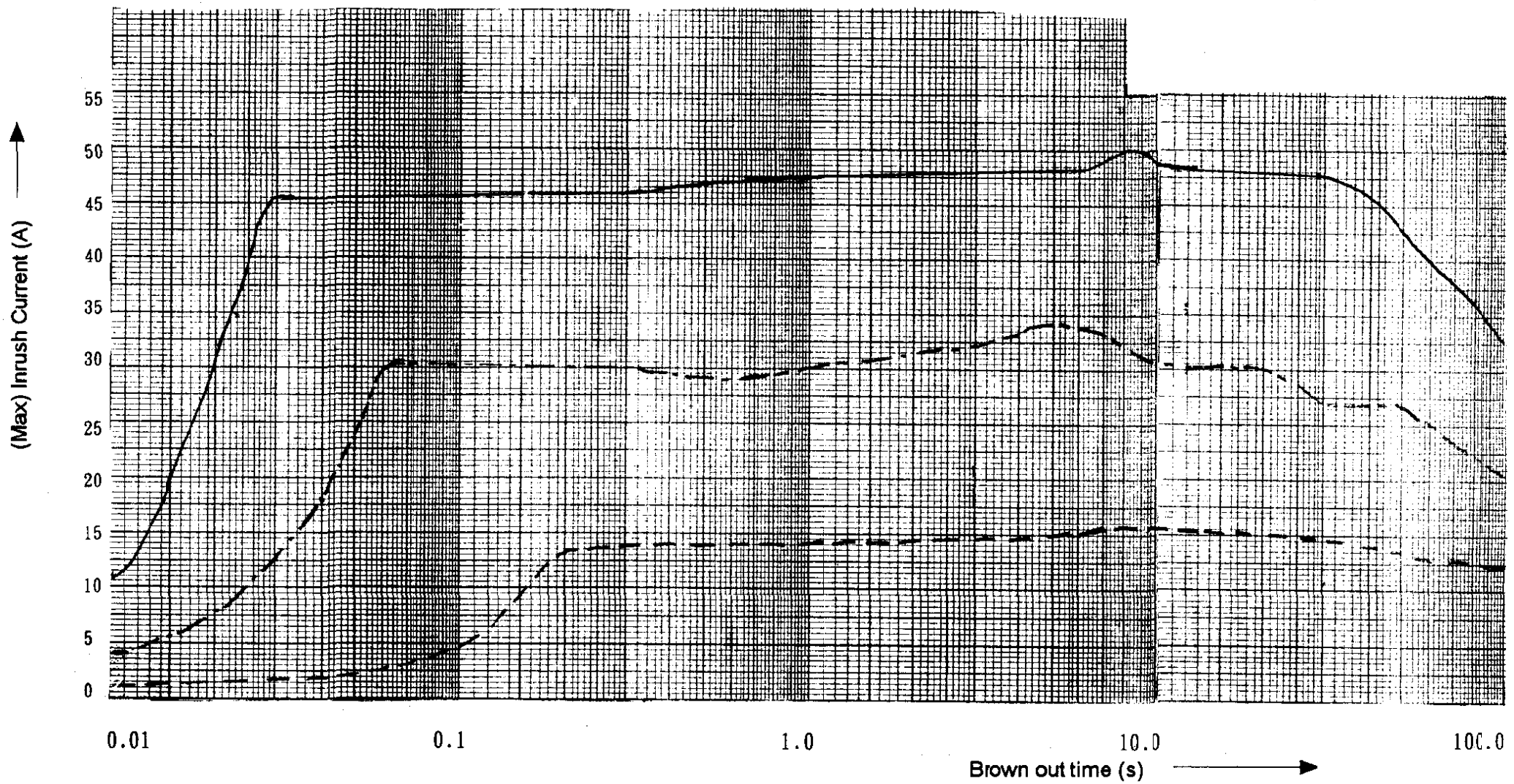


Brown out time
A: 105ms
B: 125ms
C: 155ms

INRUSH v.s BROWN OUT TIME

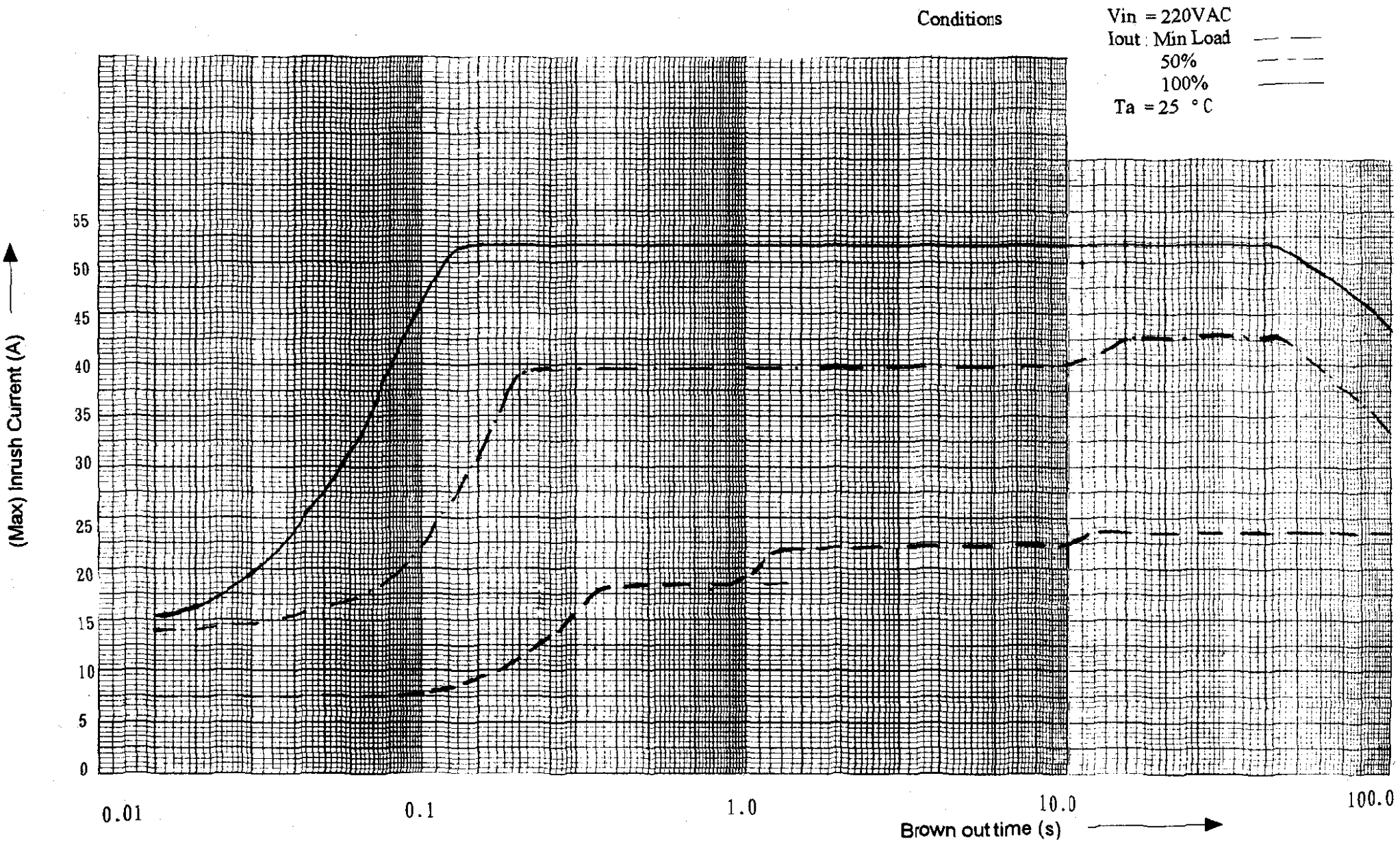
SWT40 - *

Conditions
Vin = 100VAC
Iout : Min Load
50%
100%
Ta = 25 °C



INRUSH v.s BROWN OUT TIME

SWT40 - *

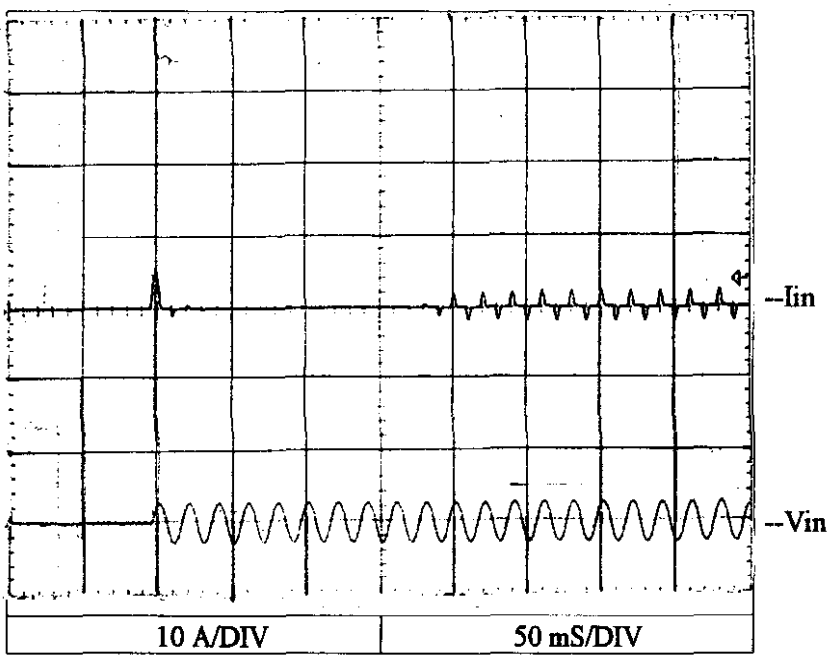


INRUSH CURRENT WAVEFORM

Conditions
Ta = 25 °C
Vin = 100VAC
Iout = 100%

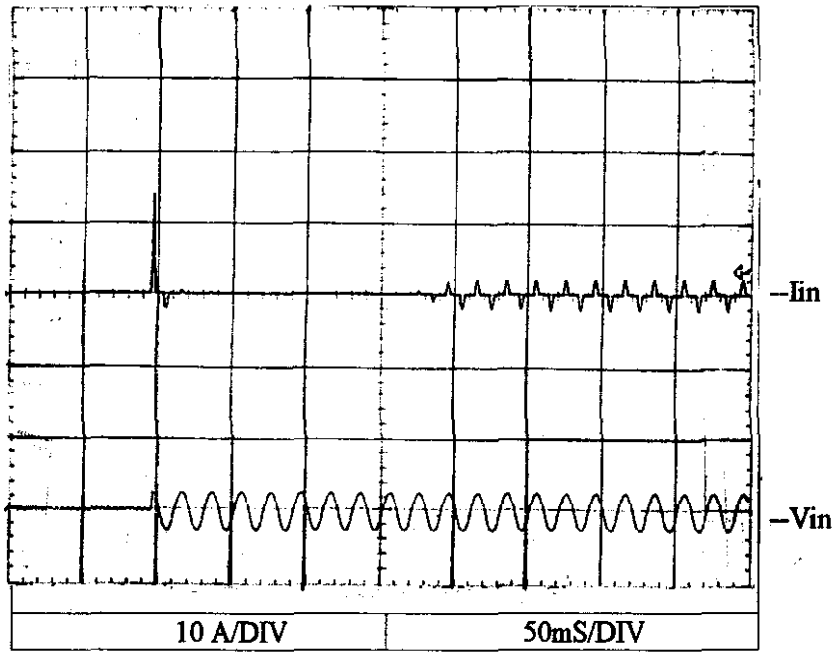
Switch on phase angle of input AC voltage

ϕ = 0 °



Switch on phase angle of input AC voltage

ϕ = 90 °



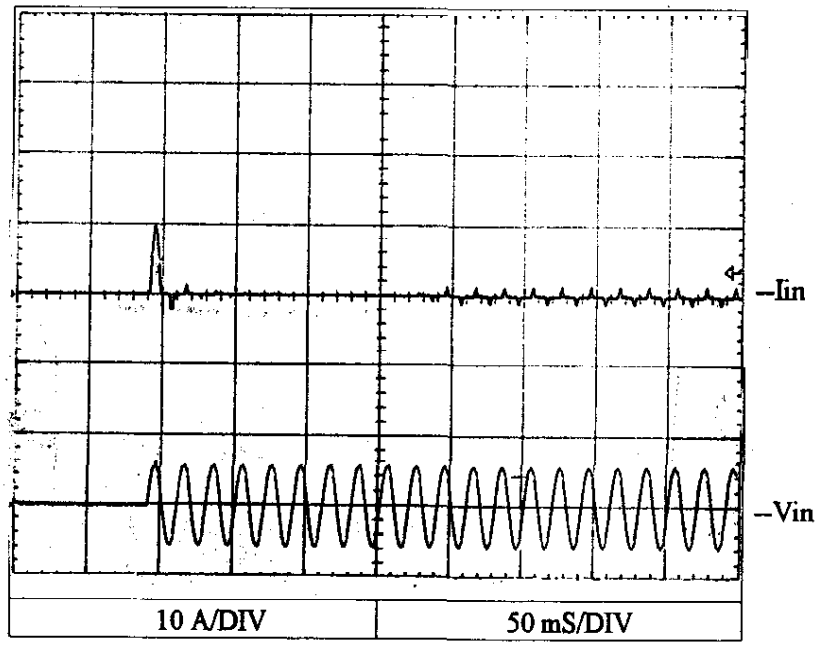
INRUSH CURRENT WAVEFORM

SWT40 - *

Conditions Ta = 25 °C
Vin = 220VAC
Iout = 100%

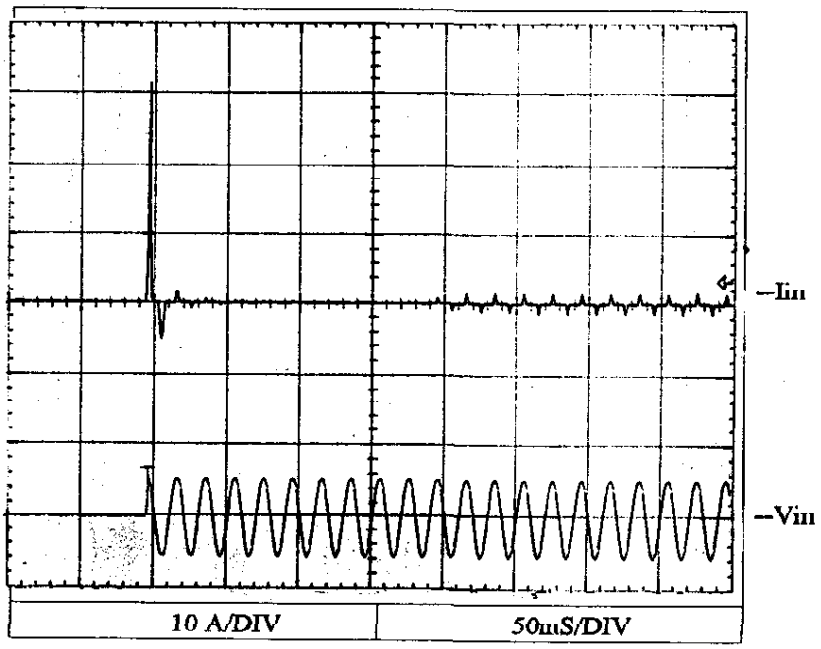
Switch on phase angle of input AC voltage

ϕ = 0 °



Switch on phase angle of input AC voltage

ϕ = 90 °

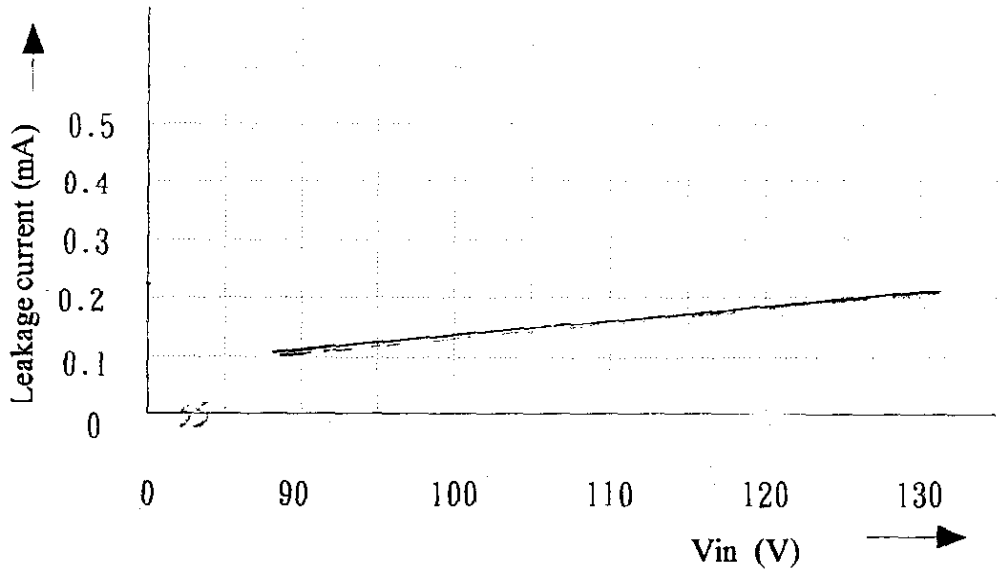


LEAKAGE CURRENT

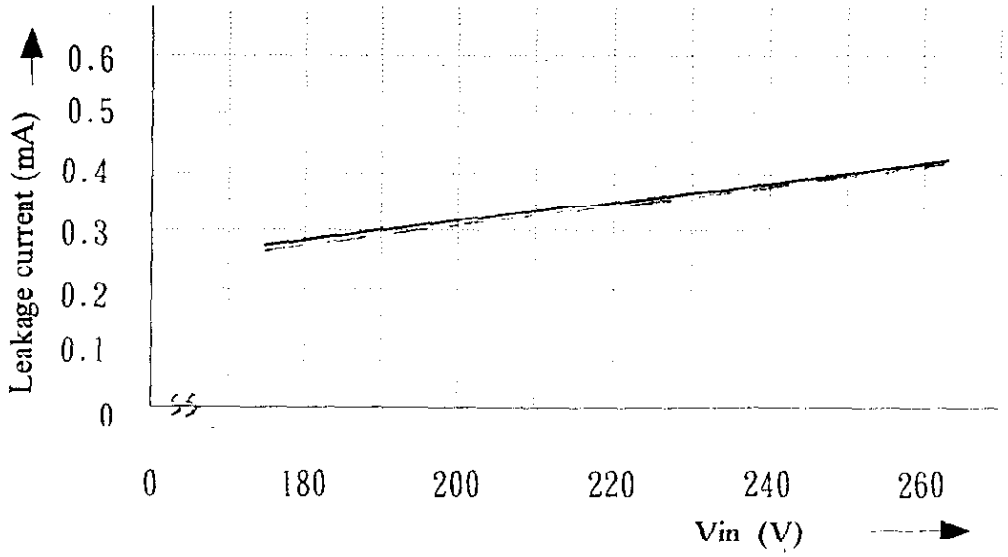
SWT40 - 522

Conditions Ta = 25 °C
Iout : MIN LOAD — — —
100% ————
f : 50Hz

AC100V



AC200V

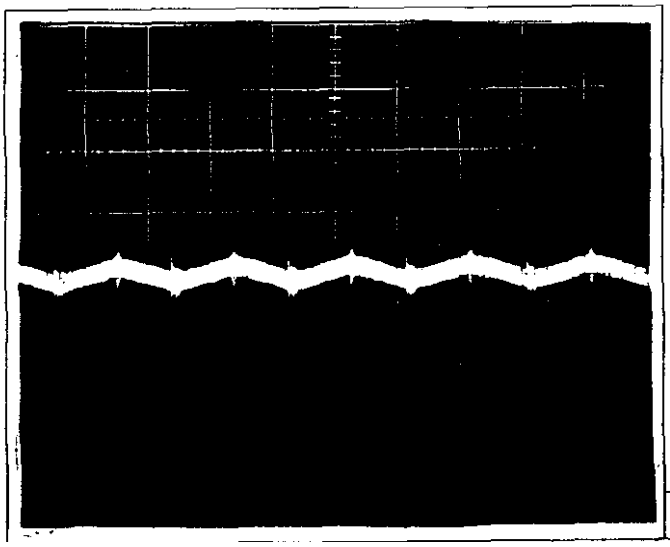


OUTPUT-RIPPLE, NOISE

SWT40 - 522	
Conditions	Vin = 100VAC
	Iout = 100%
	Ta = 25 °C

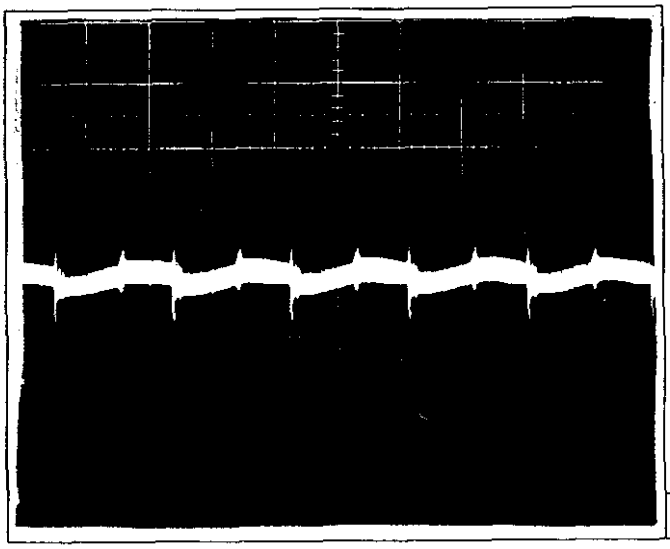
NORMAL MODE

CH1



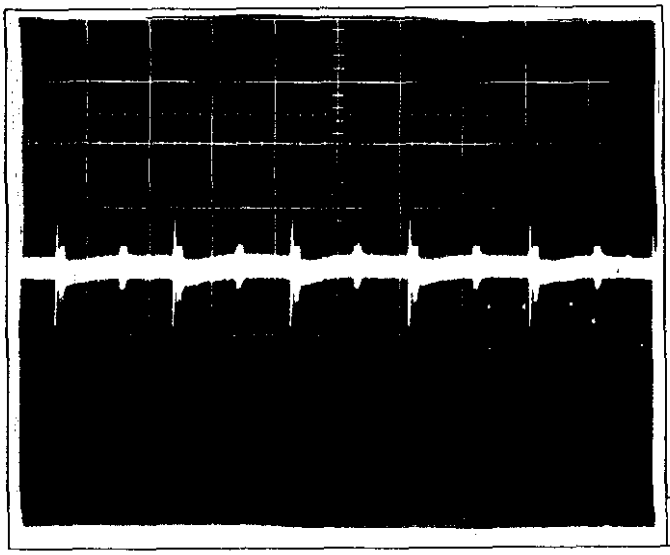
20mV/DIV 5us/DIV

CH2



20mV/DIV 5us/DIV

CH3



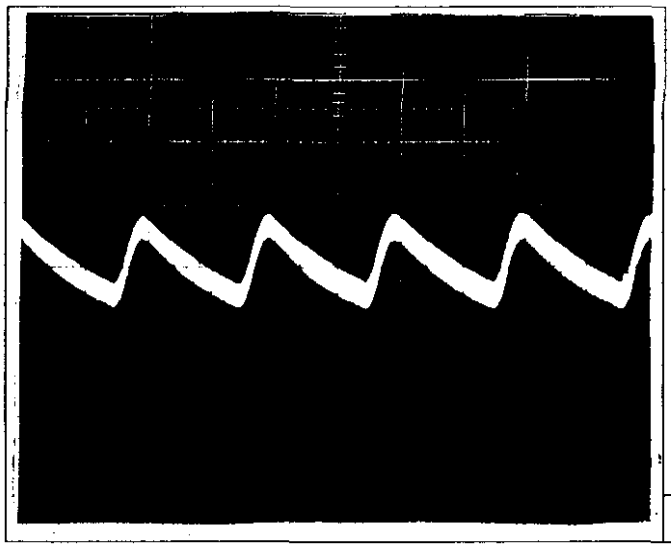
20mV/DIV 5us/DIV

OUTPUT-RIPPLE, NOISE

SWT40 - 522	
Conditions	Vin = 100VAC
	Iout = 100%
	Ta = 25 °C

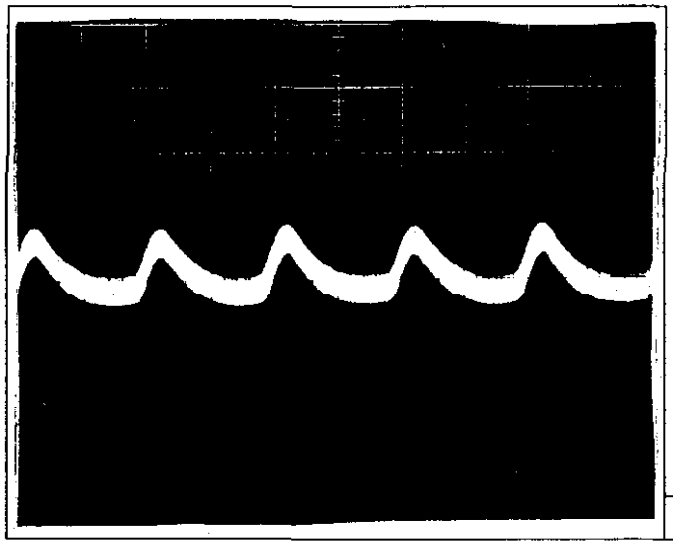
NORMAL MODE

CH1



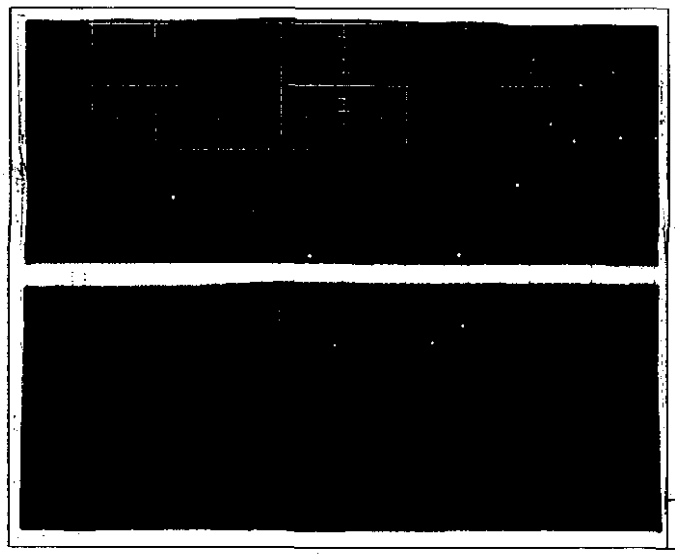
20mV/DIV | 5ms/DIV

CH2



20mV/DIV | 5ms/DIV

CH3



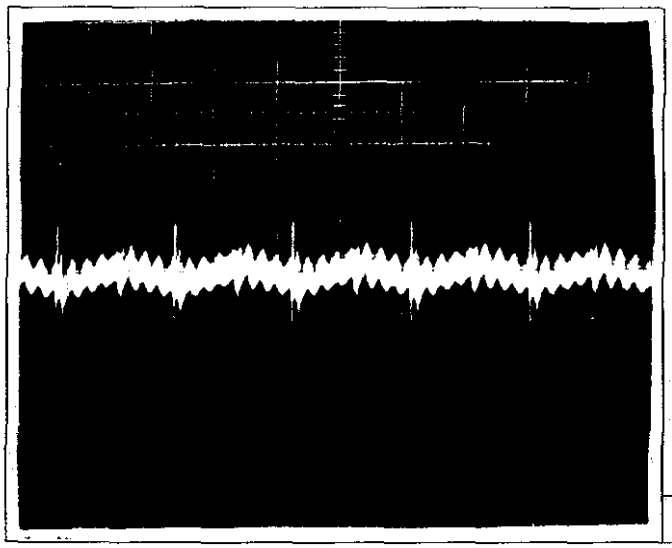
20mV/DIV | 5ms/DIV

OUTPUT-RIPPLE, NOISE

SWT40 - 522	
Conditions	Vin = 100VAC
	Iout = 100%
	Ta = 25 °C

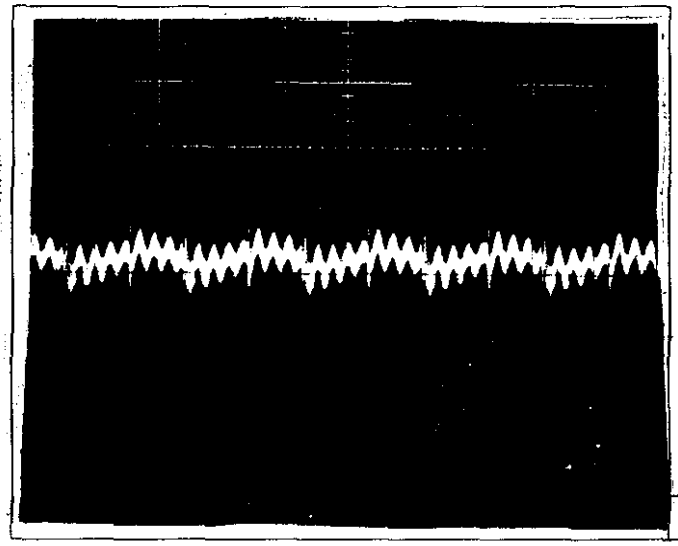
COMMON + NORMAL MODE

CH1



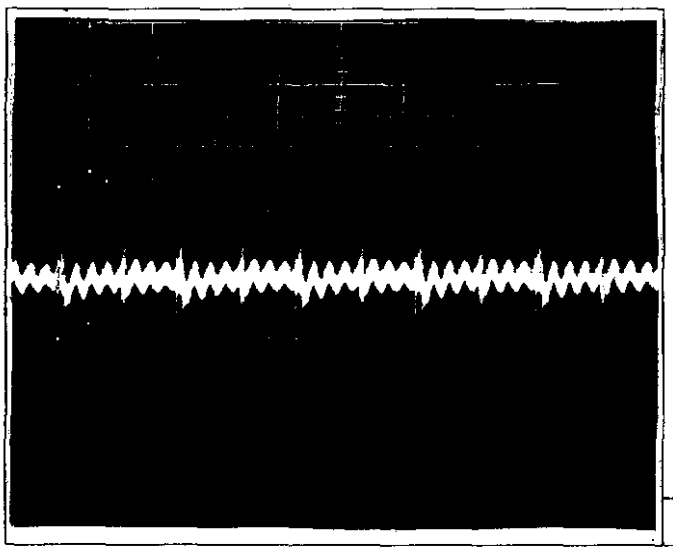
20mV/DIV | 5us/DIV

CH2



20mV/DIV | 5us/DIV

CH3



20mV/DIV | 5us/DIV

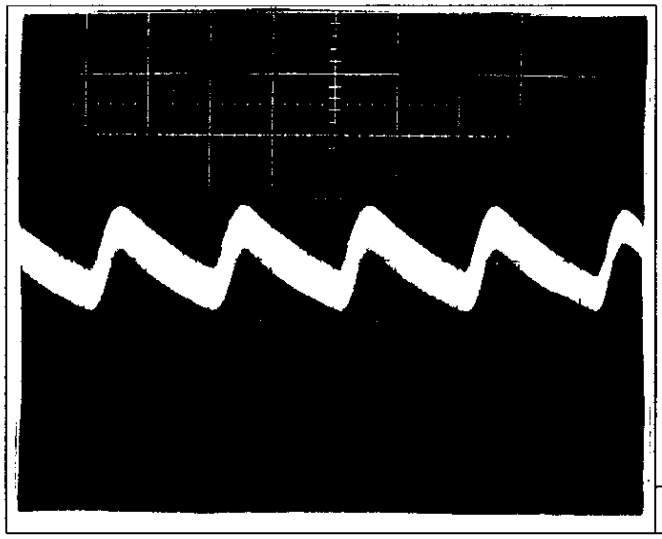
OUTPUT-RIPPLE, NOISE

SWT40 - 522

Conditions Vin = 100VAC
Iout = 100%
Ta = 25 °C

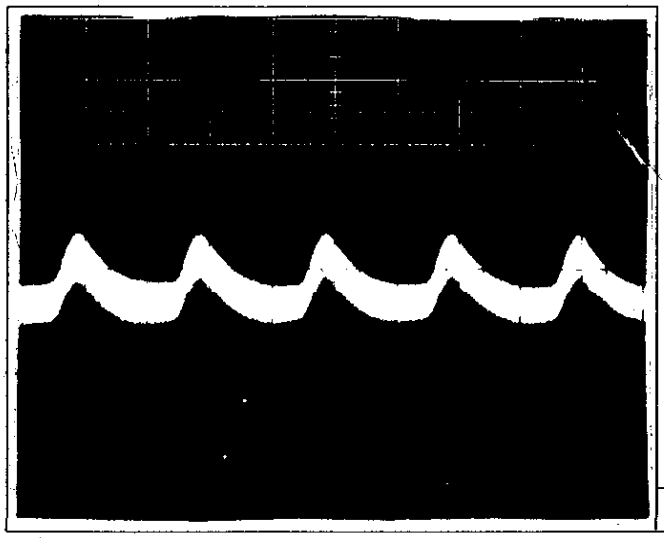
COMMON + NORMAL MODE

CH1



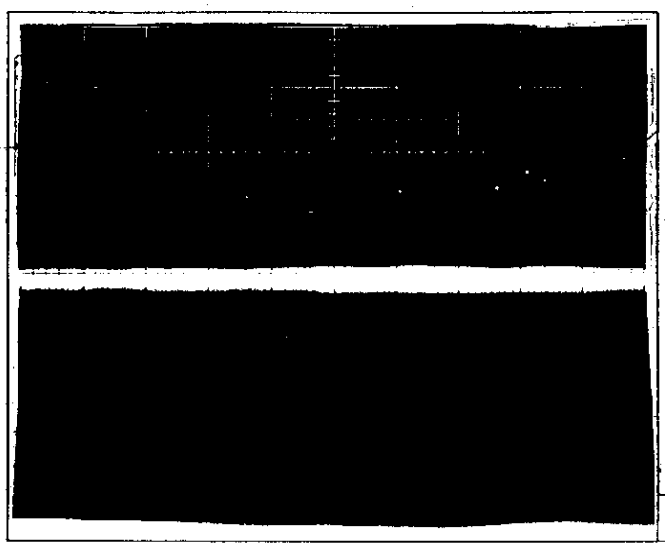
20mV/DIV | 5ms/DIV

CH2



20mV/DIV | 5ms/DIV

CH3



20mV/DIV | 5ms/DIV