COSEL

EXTRA TEST DATA OF LFA300F-3R3-TY

Regulated DC Power Supply
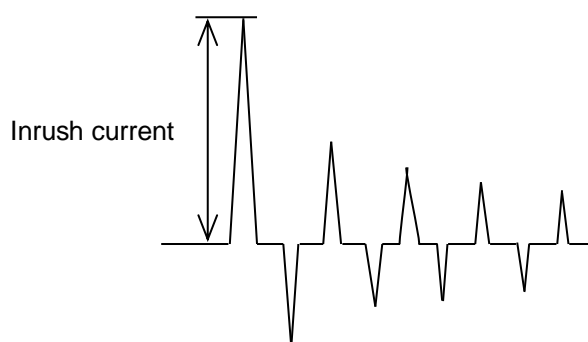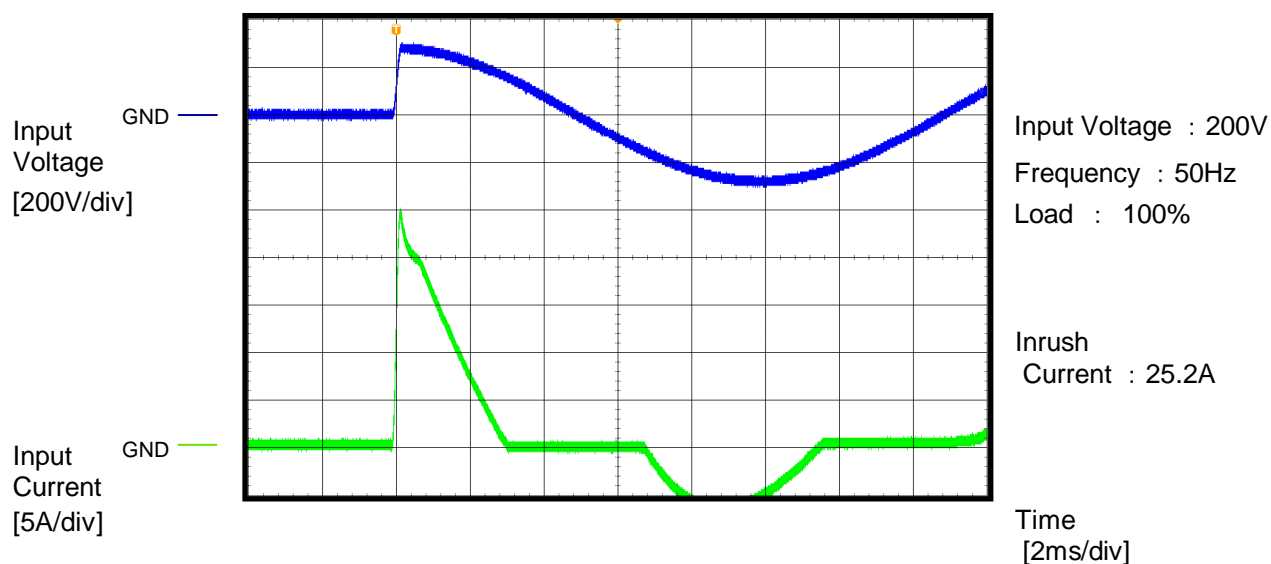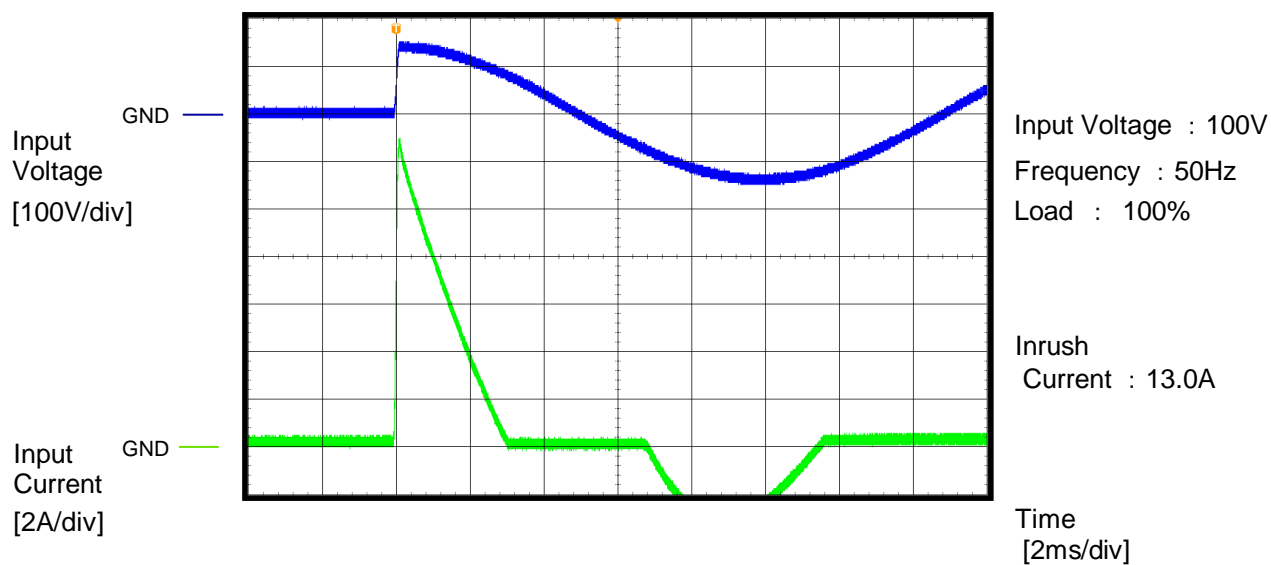*Nov, 02, 2020*

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CONTENTS

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Model	LFA300F-3R3-TY		
Item	Inrush Current (enlargement)	Temperature	25°C
		Testing Circuitry	A
Object			

Input
Voltage
[100V/div]

GND ———

Input
Current
[2A/div]

GND ———

Input Voltage : 100V

Frequency : 50Hz

Load : 100%

Inrush
 Current : 13.0A

Time
 [2ms/div]

Input
Voltage
[200V/div]

GND ———

Input
Current
[5A/div]

GND ———

Input Voltage : 200V

Frequency : 50Hz

Load : 100%

Inrush
 Current : 25.2A

Time
 [2ms/div]

Inrush current

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Model	LFA300F-3R3-TY		
Item	Dynamic Line Regulation	Temperature	25°C
		Testing Circuitry	A
Object			

Input Voltage
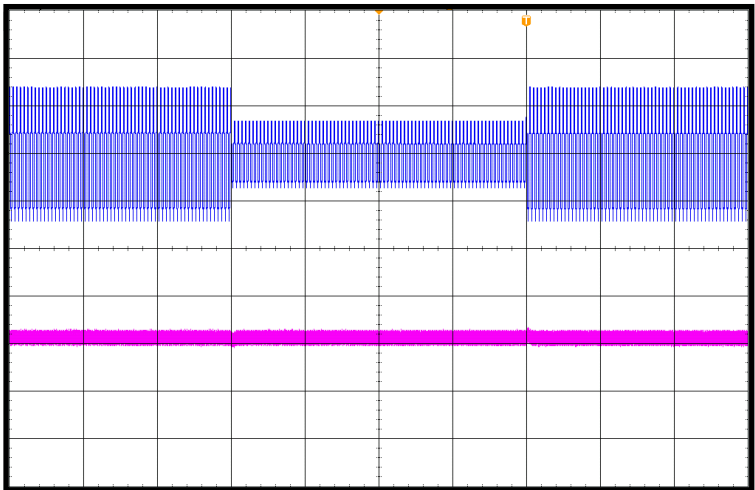GND
Input
Voltage
[200V/div]

GND
Output
Voltage
[50mV/div]
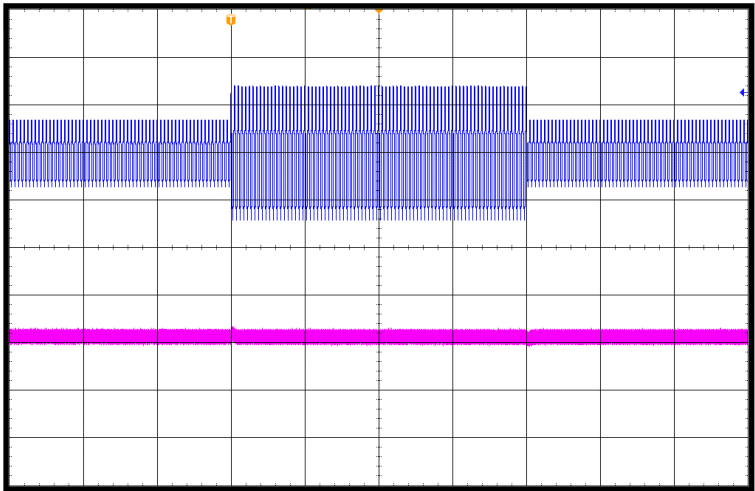
Input Voltage :
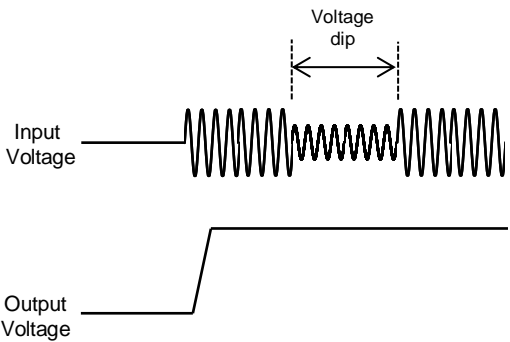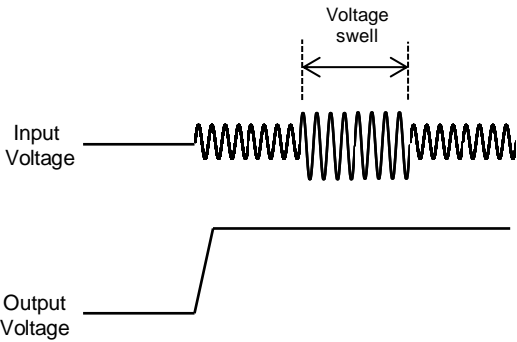 100V ⇔ 200V

Frequency : 50Hz

Load : 100%

Time
 [400ms/div]

Input
Voltage
GND
Input
Voltage
[200V/div]

GND
Output
Voltage
[50mV/div]

Input Voltage :
 200V ⇔ 100V

Frequency : 50Hz

Load : 100%

Time
 [400ms/div]

Voltage
swell

Input
Voltage

Output
Voltage

Voltage
dip

Input
Voltage

Output
Voltage

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Model	LFA300F-3R3-TY
Item	Over Voltage Protection
Object	

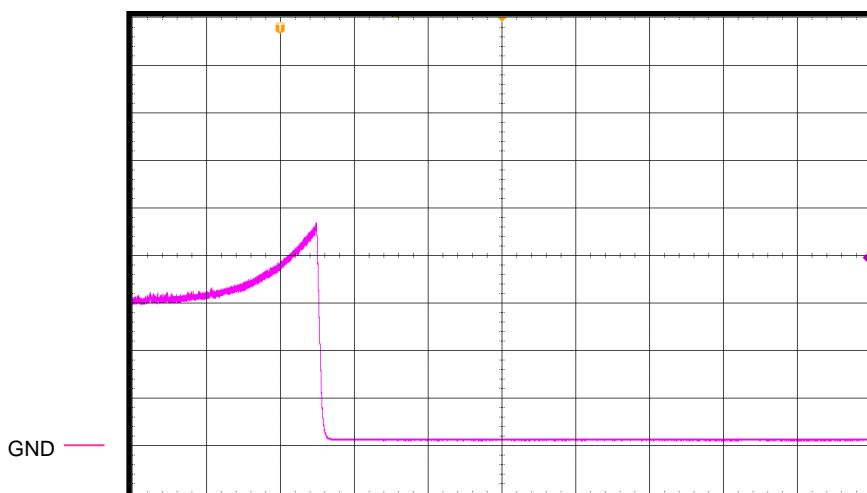| Temperature	25°C
Testing Circuitry	A

Input Voltage : 100V

Output
Voltage
[1V/div]

GND
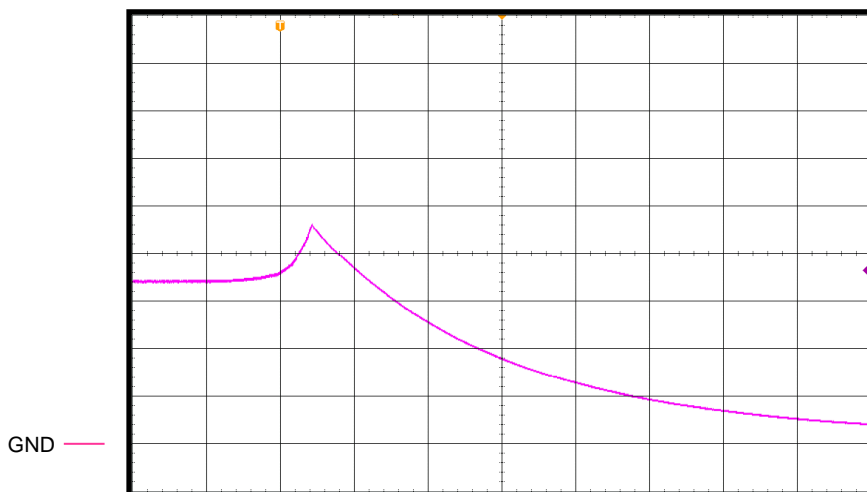
Load : 0%

Overvoltage protection
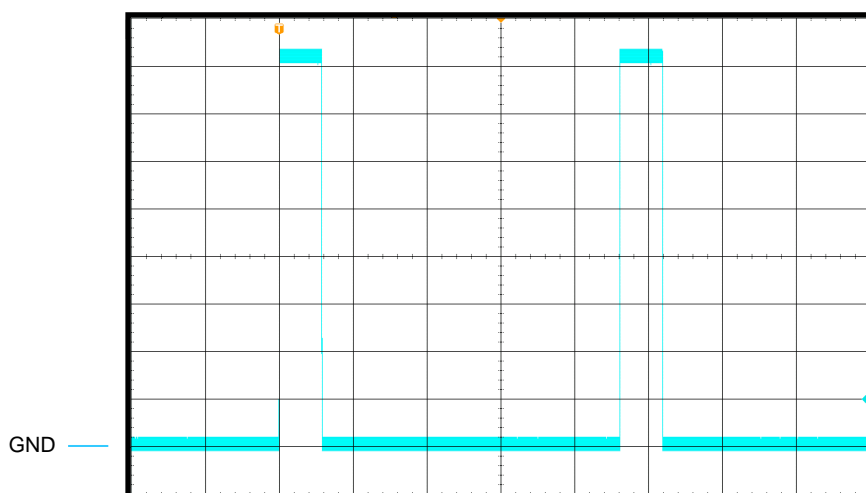value : 4.6V

Time
[40ms/div]

Output
Voltage
[1V/div]

GND

Load : 100%

Overvoltage protection
value : 4.7V

Time
[20ms/div]

OVP Point

Output
Voltage

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Model	LFA300F-3R3-TY
Item	Short Circuit Current
Object	
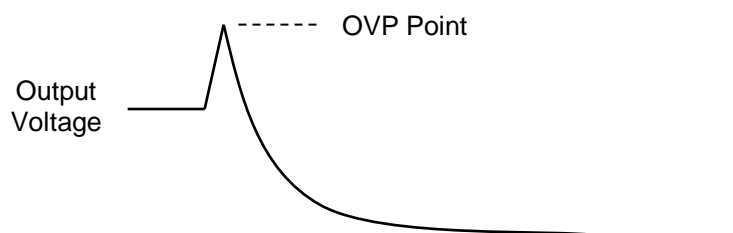
Temperature　　25°C
Testing Circuitry　A

Load　: Short

Output
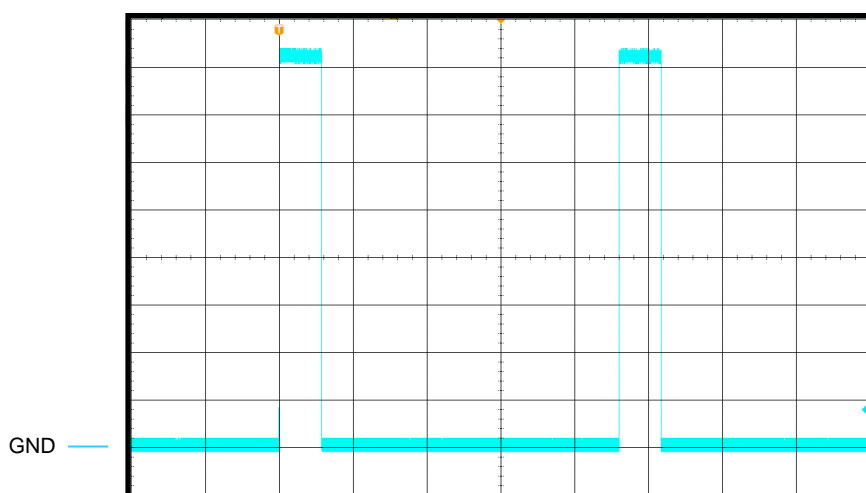Current
[10A/div]

GND ───

Input Voltage　: 100V

Short-circuit
current　: 83.6A

ON Time　: 1159ms

Hiccup mode
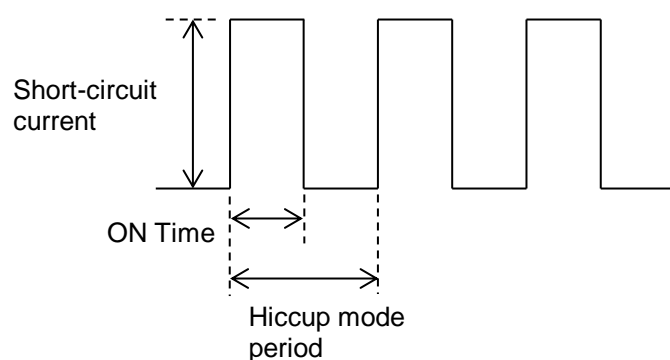time　　: 9228ms

Time
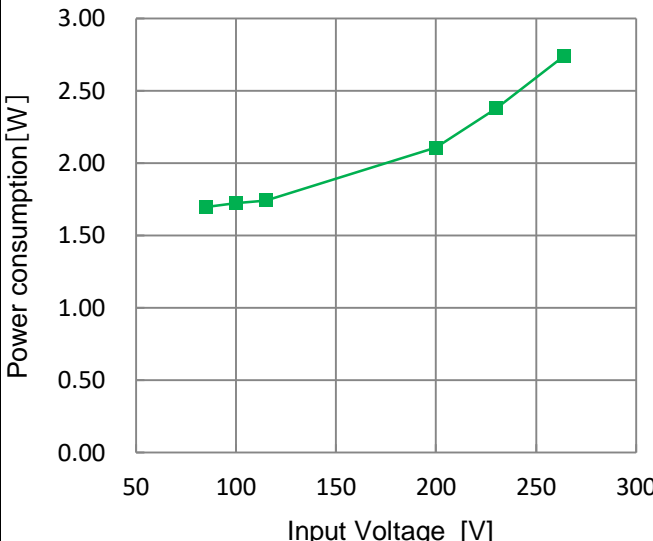[2000ms/div]

Output
Current
[10A/div]

GND ───

Input Voltage　: 200V
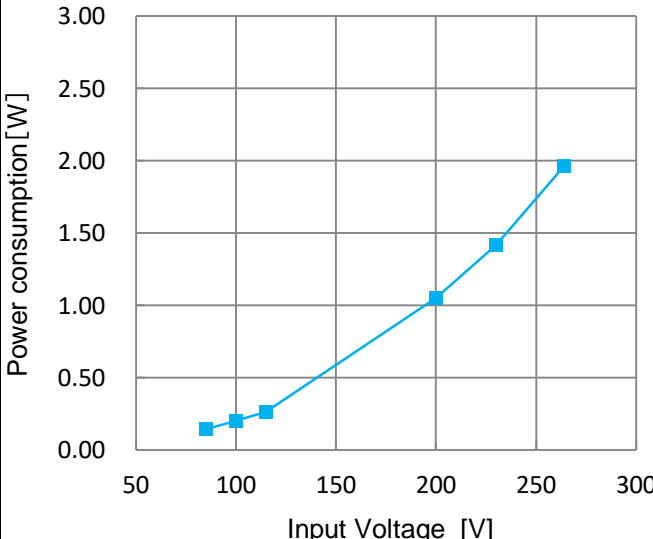
Short-circuit
current　: 84A

ON Time　: 1154ms

Hiccup mode
time　　: 9204ms

Time
[2000ms/div]

Short-circuit
current

ON Time

Hiccup mode
period

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Model	LFA300F-3R3-RTY
Item	Power consumption by remote off
Object	

Temperature	25°C
Testing Circuitry	-

1.Graph

Test result of other output voltage product would be same as this result.

2.Values

Input voltage [V]	Power consumption [W]
85	1.70
100	1.72
115	1.74
200	2.11
230	2.38
264	2.74

Model	LFA300F-3R3-R2TY

1.Graph

Test result of other output voltage product would be same as this result.

2.Values

Input voltage [V]	Power consumption [W]
85	0.14
100	0.20
115	0.26
200	1.05
230	1.42
264	1.96

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Figure A

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