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EXTRA TEST DATA OF PBA300F-5
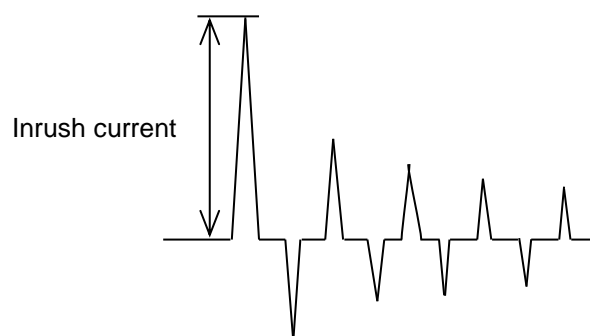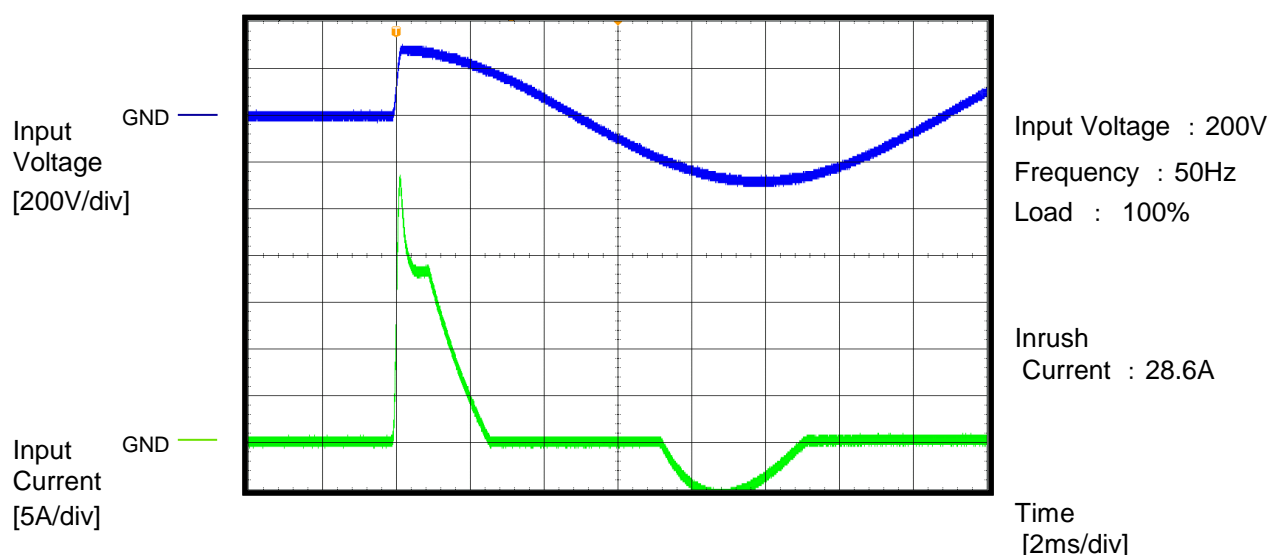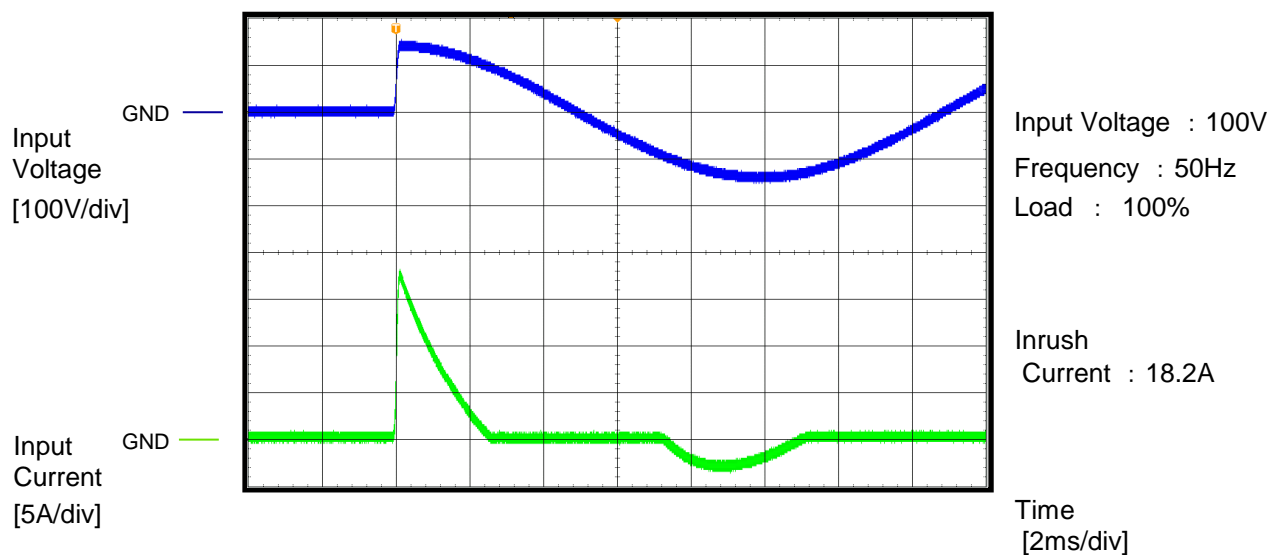
Regulated DC Power Supply
Jun, 11, 2020
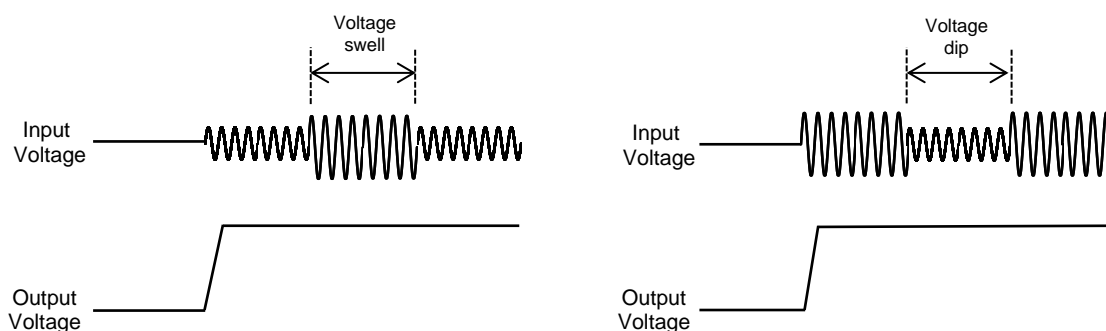
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Model	PBA300F-5
Item	Inrush Current (enlargement)
Object	——————

Temperature 25°C
Testing Circuitry A

Input
Voltage
[100V/div]

GND ——

Input
Current
[5A/div]

GND ——

Input Voltage ： 100V

Frequency ： 50Hz

Load ： 100%

Inrush
Current ： 18.2A

Time
[2ms/div]

Input
Voltage
[200V/div]

GND ——

Input
Current
[5A/div]

GND ——

Input Voltage ： 200V

Frequency ： 50Hz

Load ： 100%

Inrush
Current ： 28.6A

Time
[2ms/div]

Inrush current

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Model	PBA300F-5	
Item	Dynamic Line Regulation	Temperature　25°C Testing Circuitry　A
Object	————————	

Input
Voltage
[200V/div]　GND ——

Output
Voltage
[50mV/div]　GND ——

Input Voltage ：
　100V　⇔　200V

Frequency ：50Hz

Load ：100%

Time
[400ms/div]

Input
Voltage
[200V/div]　GND ——

Output
Voltage
[50mV/div]　GND ——

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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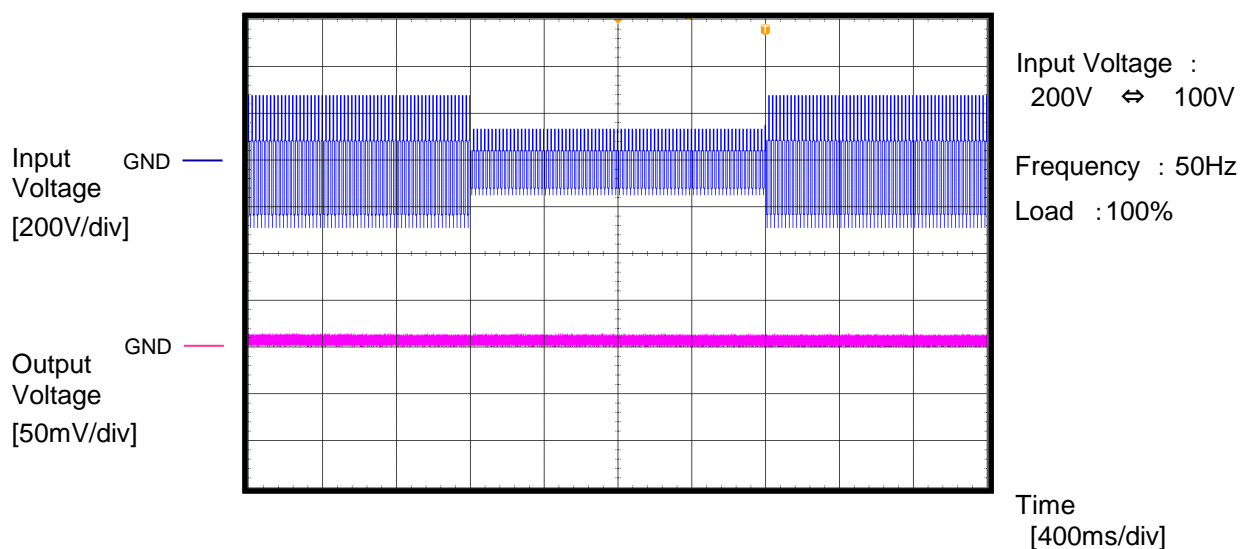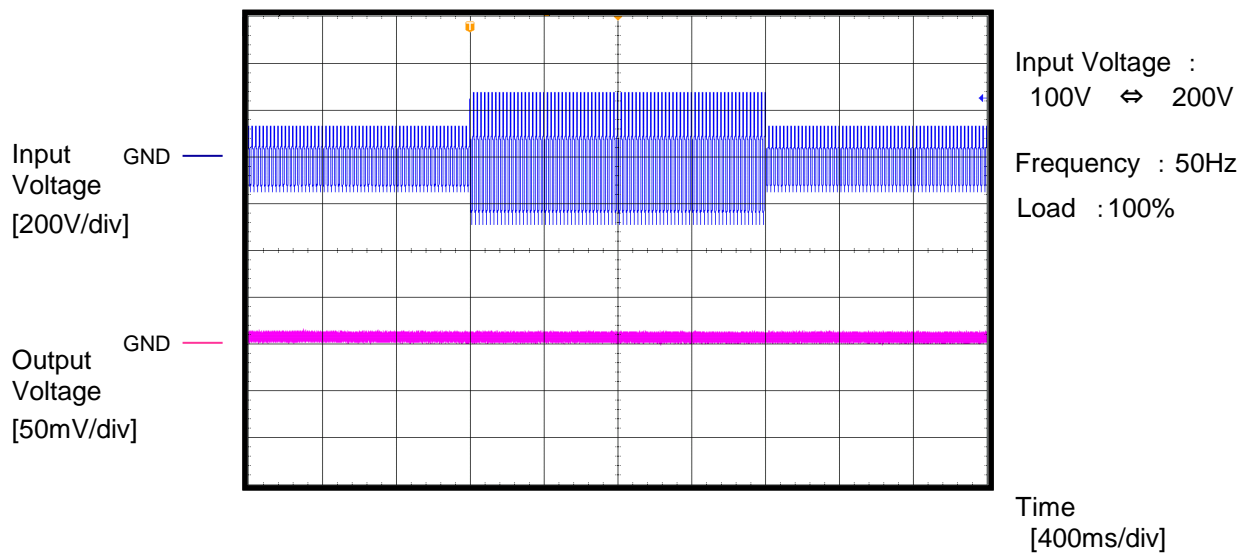
Model	PBA300F-5
Item	Over Voltage Protection
Object	————————

Temperature   25°C
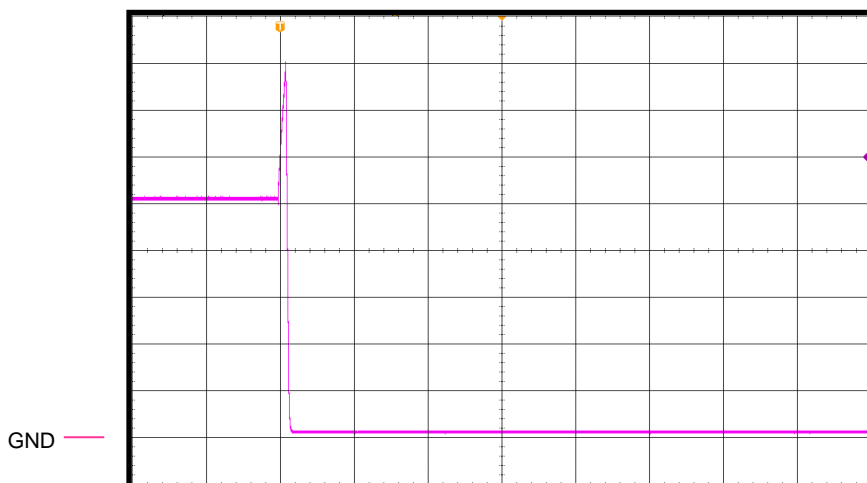Testing Circuitry   A

Input Voltage : 100V

Output
Voltage
[1V/div]

GND
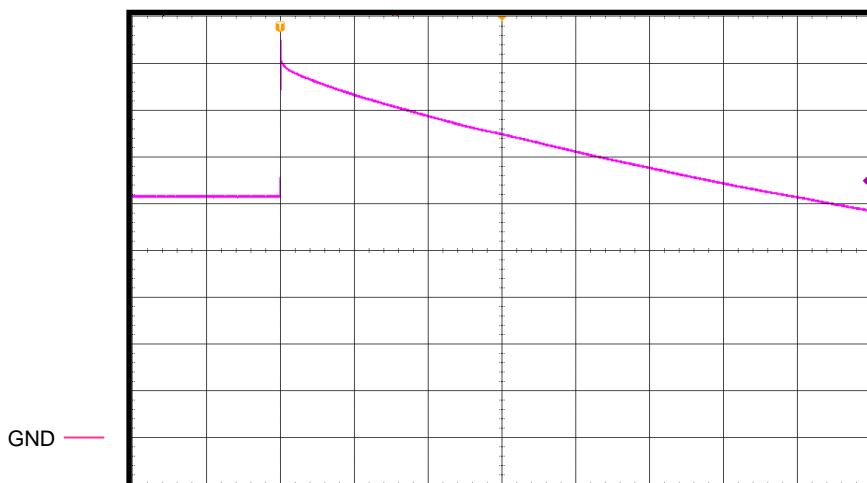
Load : 0%

Overvoltage protection
value : 8.5V

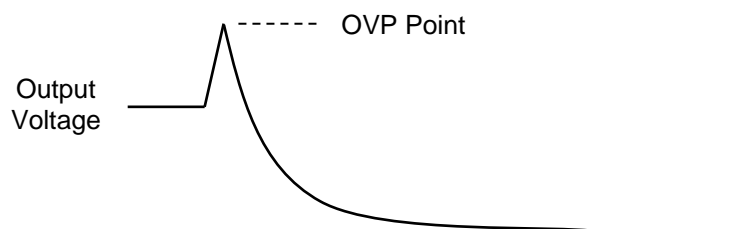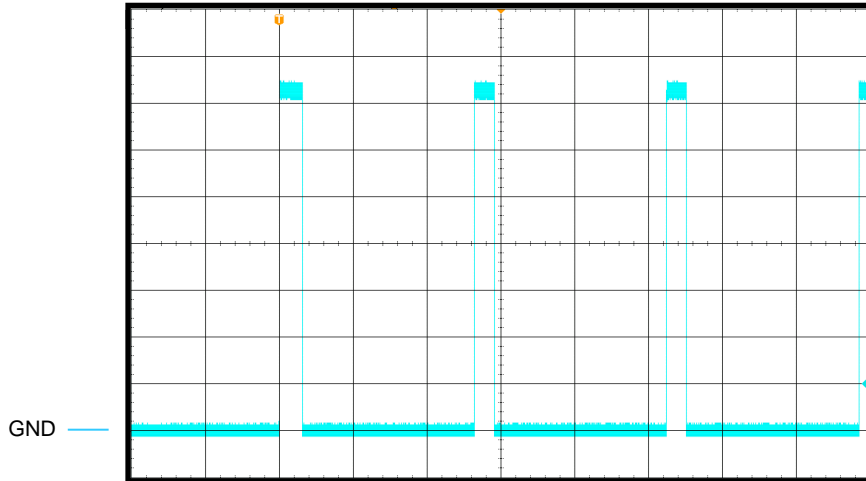Time
[40ms/div]

Output
Voltage
[1V/div]

GND

Load : 100%

Overvoltage protection
value : 8.0V

Time
[20ms/div]

------ OVP Point

Output
Voltage

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Model	PBA300F-5
Item	Hiccup cycle (by Overcurrent Protection)
Object	————————

Temperature   25°C
Testing Circuitry   A
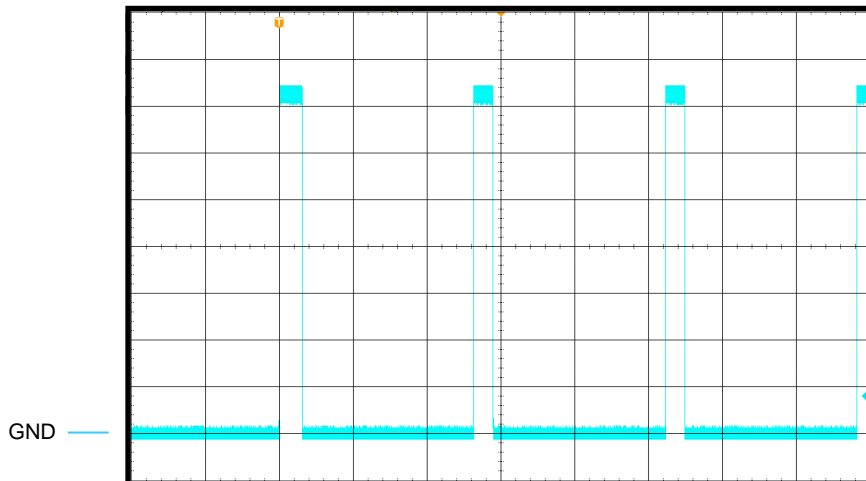
Load : Short

Input Voltage : 100V

Short-circuit
current : 74.8A

ON Time : 627ms
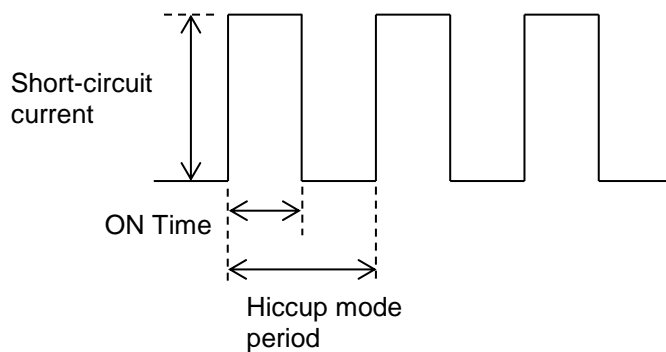
Hiccup mode
time   : 5291ms

Output
Current
[10A/div]

GND

Time
[2000ms/div]

Input Voltage : 200V

Short-circuit
current : 74.4A

ON Time : 621ms

Hiccup mode
time   : 5271ms

Output
Current
[10A/div]

GND

Time
[2000ms/div]

Short-circuit
current

ON Time

Hiccup mode
period

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Model	PBA300F-5
Item	Input voltage - Power consumption
Object	———————

Temperature   25°C
Testing Circuitry   -

Load : 0%

1.Graph

2.Values

Power consumption[W] (y-axis)

Input Voltage [V] (x-axis)

Input voltage [V]	Power consumption [W]
85	6.14
100	6.20
115	6.38
200	6.46
230	6.34
264	6.11

Reducing standby power is possible by OFF signal of the remote control.

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Figure A

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