



## ***EXTRA TEST DATA OF PBA50F-15***

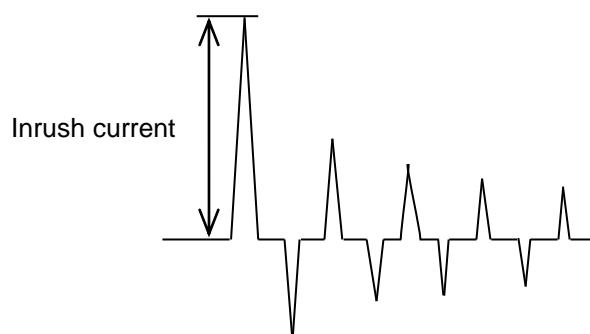
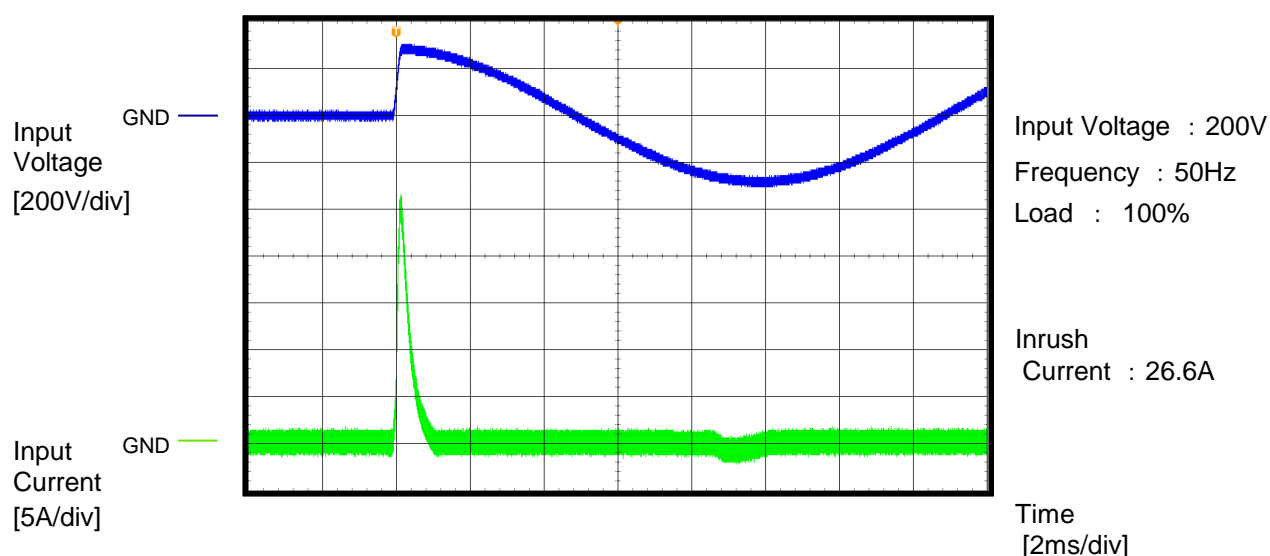
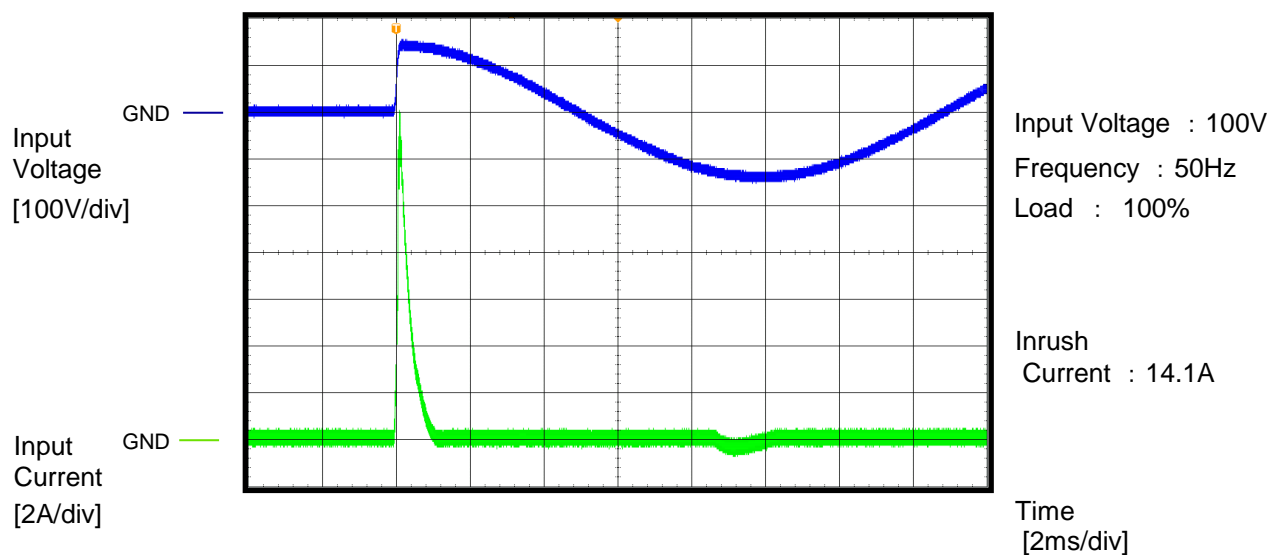
*Regulated DC Power Supply  
Jun, 30, 2020*

**COSEL CO.,LTD.**

## CONTENTS

1.Inrush Current (enlargement) . . . . .	1
2.Dynamic Line Regulation . . . . .	2
3.Overtoltage Protection (waveform) . . . . .	3
4.Hiccup cycle (by Overcurrent Protection) . . . . .	4
5.Power Consumption (by Input Voltage) . . . . .	5
6.Figure of Testing Circuitry . . . . .	6
(Final Page 6)	

Model	PBA50F-15		
Item	Inrush Current (enlargement)	Temperature	25°C
Object		Testing Circuitry	A

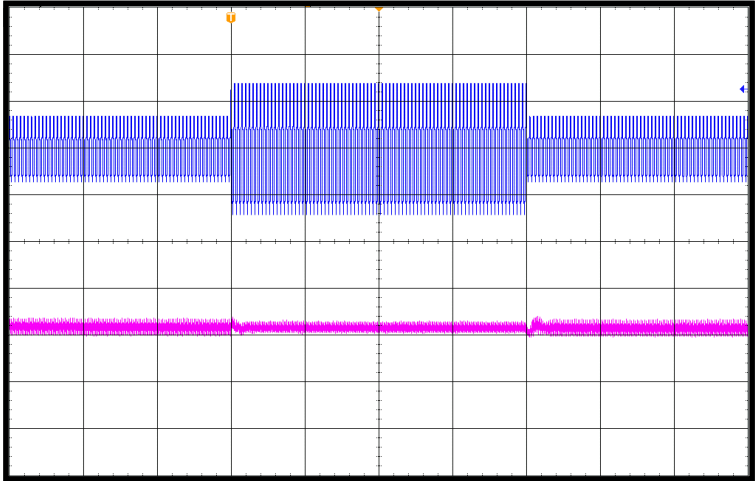




Model		PBA50F-15	Temperature 25°C Testing Circuitry A
Item		Dynamic Line Regulation	
Object			

Input Voltage  
[200V/div]

Output Voltage  
[100mV/div]

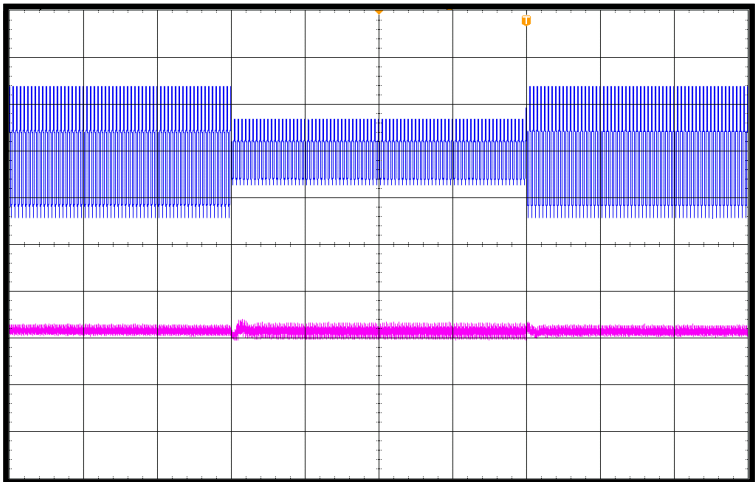


Input Voltage :  
100V ⇔ 200V  
Frequency : 50Hz  
Load : 100%

Time  
[400ms/div]

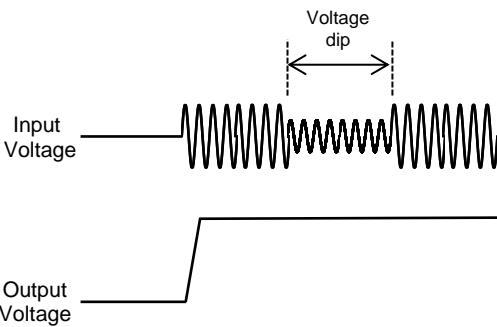
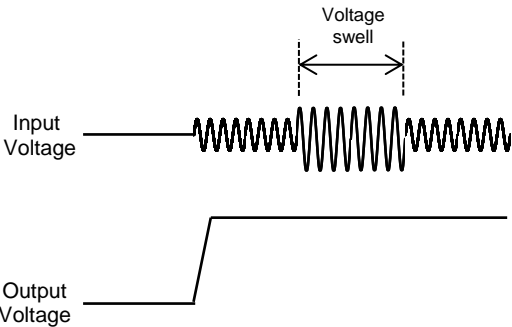
Input Voltage  
[200V/div]

Output Voltage  
[100mV/div]



Input Voltage :  
200V ⇔ 100V  
Frequency : 50Hz  
Load : 100%

Time  
[400ms/div]

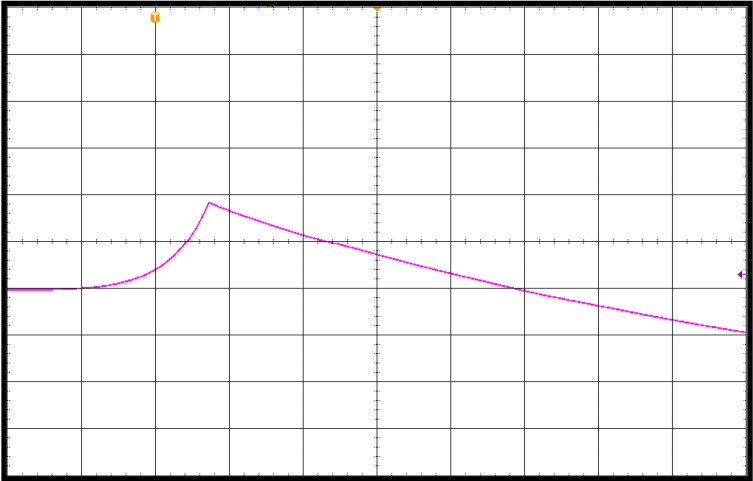




Model	PBA50F-15		
Item	Over Voltage Protection	Temperature	25°C
		Testing Circuitry	A
Object		Input Voltage : 100V	

Output  
Voltage  
[5V/div]

GND

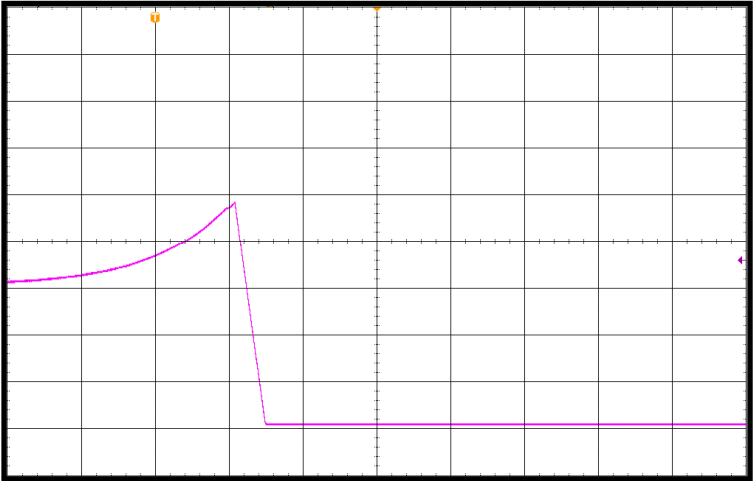


Load : 0%  
Overvoltage protection  
value : 24.2V

Time  
[40ms/div]

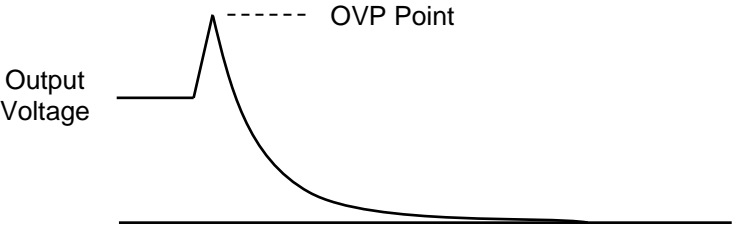
Output  
Voltage  
[5V/div]

GND



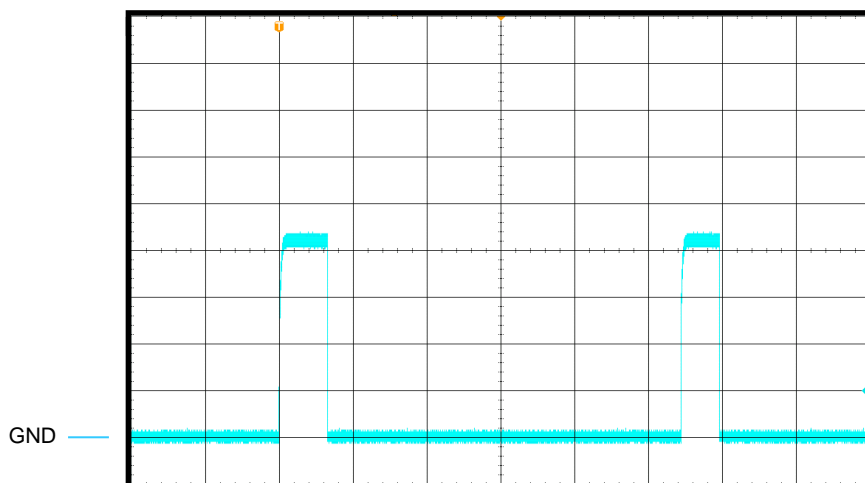
Load : 100%  
Overvoltage protection  
value : 24.2V

Time  
[20ms/div]



Model	PBA50F-15	Temperature	25°C
Item	Hiccup cycle (by Overcurrent Protection)	Testing Circuitry	A
Object		Load	: Short

Output Current  
[1A/div]



Input Voltage : 100V

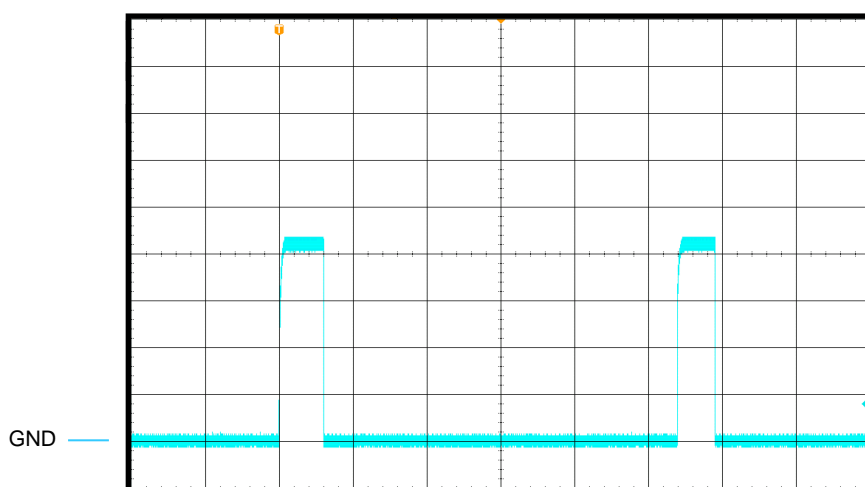
Short-circuit current : 4.4A

ON Time : 130ms

Hiccup time : 1088ms

Time  
[200ms/div]

Output Current  
[1A/div]



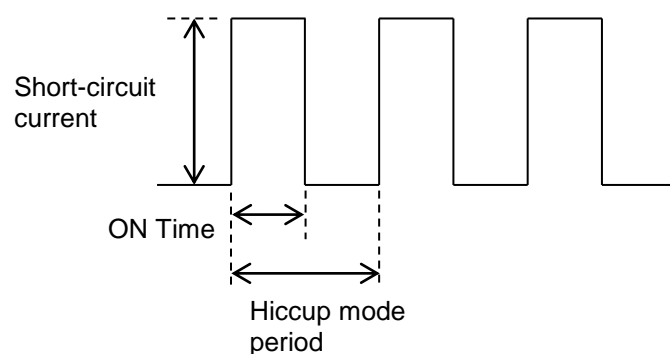
Input Voltage : 200V

Short-circuit current : 4.4A

ON Time : 119ms

Hiccup mode time : 1077ms

Time  
[200ms/div]





Model	PBA50F-15																
Item	Input voltage - Power consumption	Temperature	25°C														
Object	_____	Testing Circuitry	-														
1.Graph		Load :0%															
<div>Power consumption [W]</div> <table><tr><th>Input voltage [V]</th><th>Power consumption [W]</th></tr><tr><td>85</td><td>1.54</td></tr><tr><td>100</td><td>1.66</td></tr><tr><td>115</td><td>1.72</td></tr><tr><td>200</td><td>1.31</td></tr><tr><td>230</td><td>1.39</td></tr><tr><td>264</td><td>1.81</td></tr></table> <div>Input Voltage [V]</div>		Input voltage [V]	Power consumption [W]	85	1.54	100	1.66	115	1.72	200	1.31	230	1.39	264	1.81	2.Values	
Input voltage [V]	Power consumption [W]																
85	1.54																
100	1.66																
115	1.72																
200	1.31																
230	1.39																
264	1.81																
		<table><tr><th>Input voltage [V]</th><th>Power consumption [W]</th></tr><tr><td>85</td><td>1.54</td></tr><tr><td>100</td><td>1.66</td></tr><tr><td>115</td><td>1.72</td></tr><tr><td>200</td><td>1.31</td></tr><tr><td>230</td><td>1.39</td></tr><tr><td>264</td><td>1.81</td></tr></table>		Input voltage [V]	Power consumption [W]	85	1.54	100	1.66	115	1.72	200	1.31	230	1.39	264	1.81
Input voltage [V]	Power consumption [W]																
85	1.54																
100	1.66																
115	1.72																
200	1.31																
230	1.39																
264	1.81																
Reducing standby power is possible by OFF signal of the remote control.																	

- 5 -

BC-11542

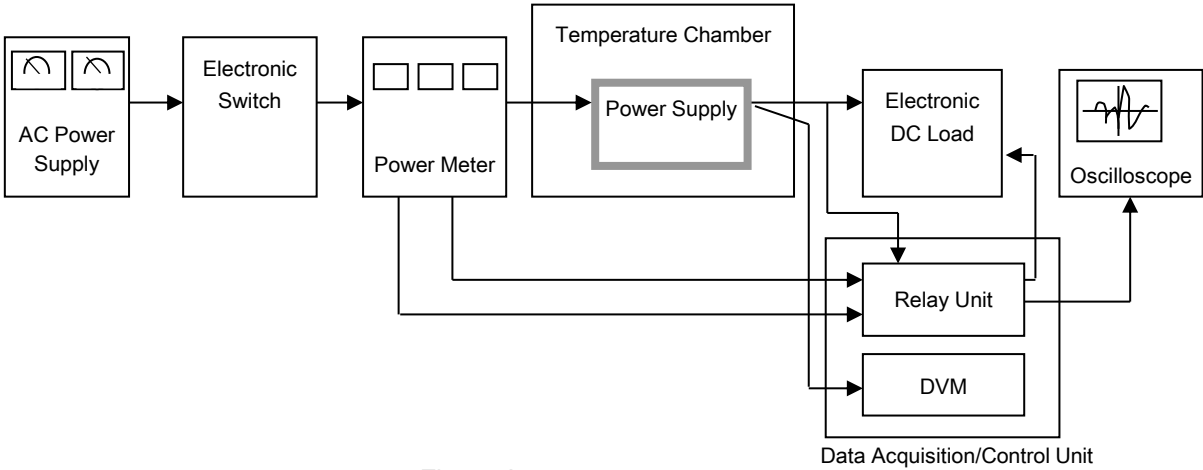


Figure A