



## ***EXTRA TEST DATA OF PBA300F-15***

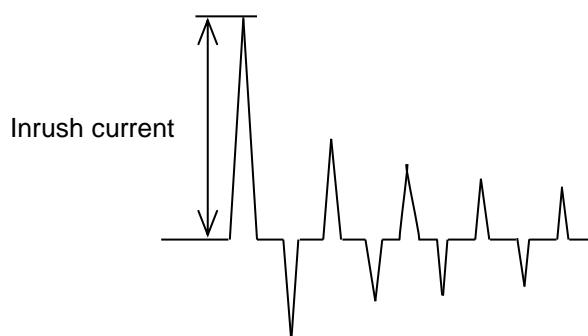
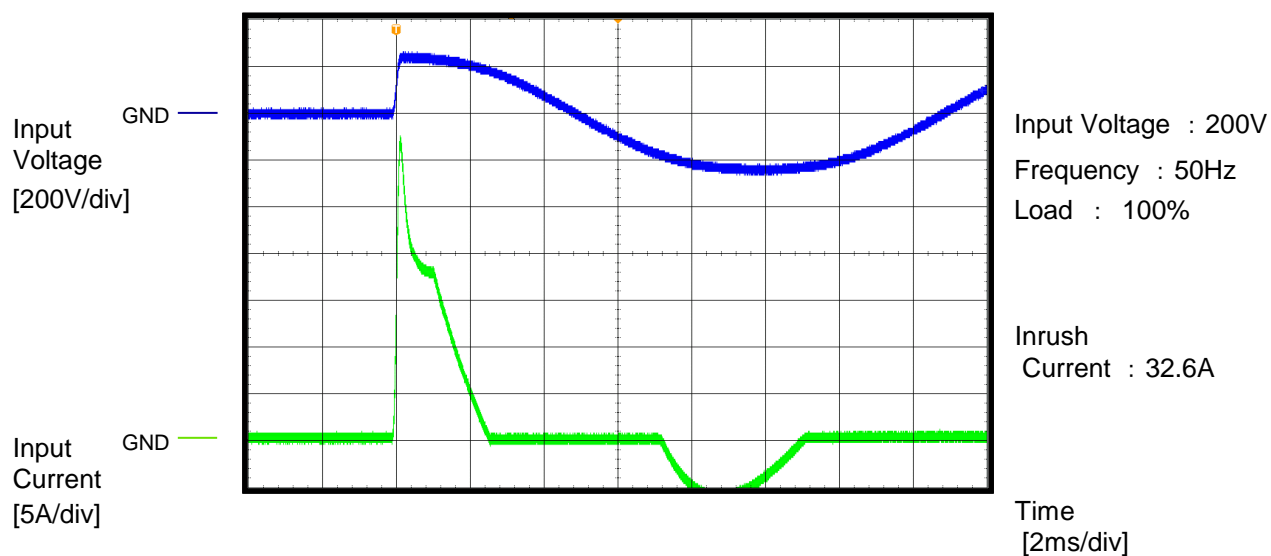
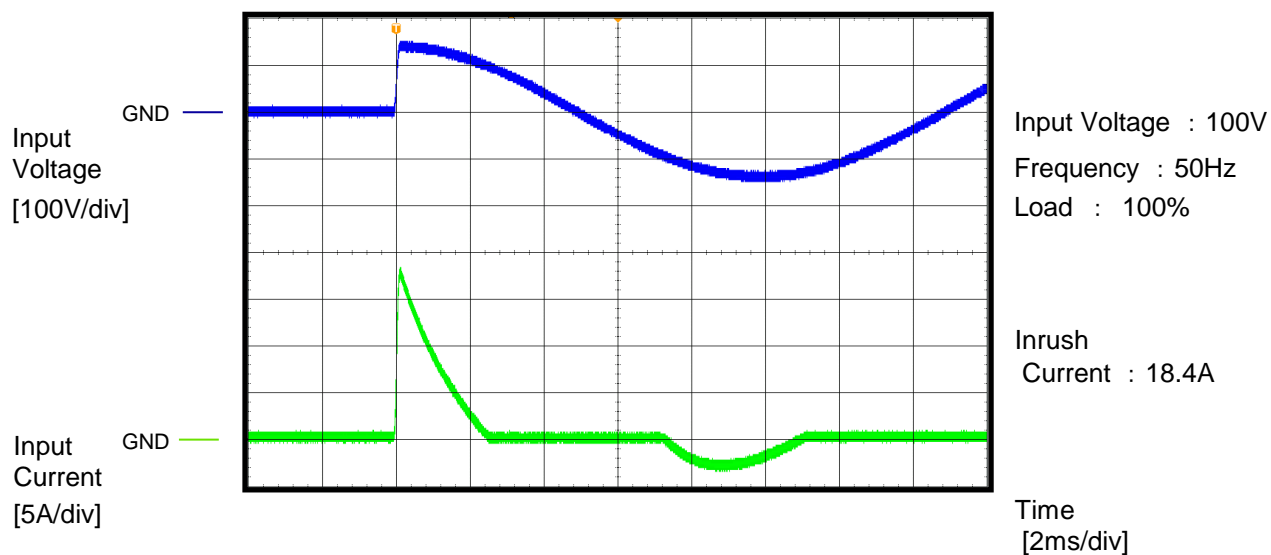
*Regulated DC Power Supply  
Jun, 11, 2020*

**COSEL CO.,LTD.**

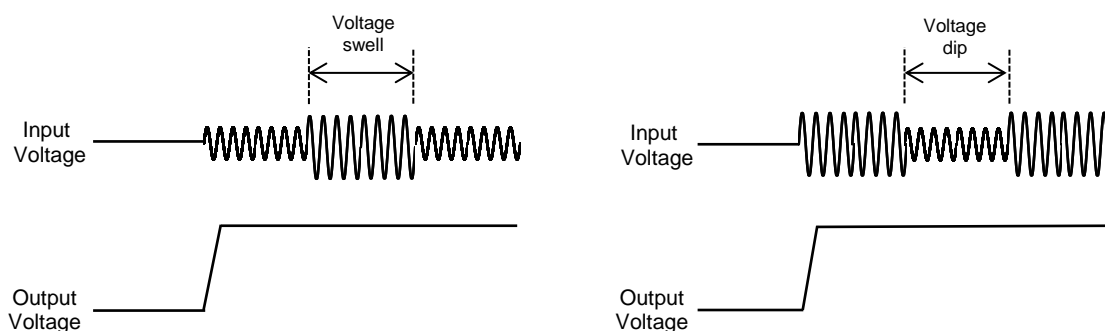
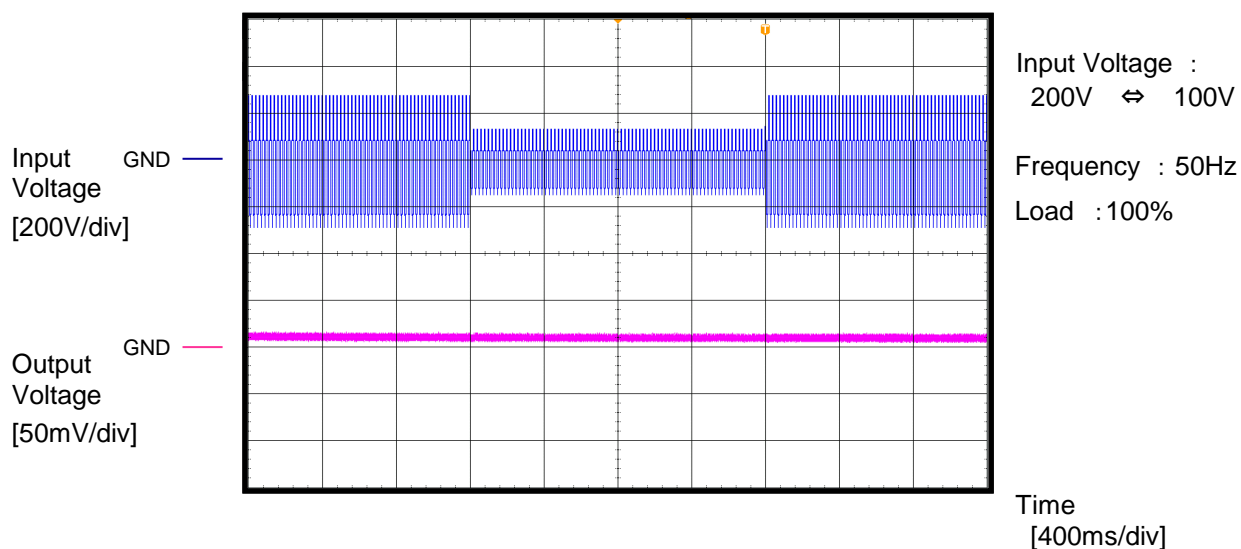
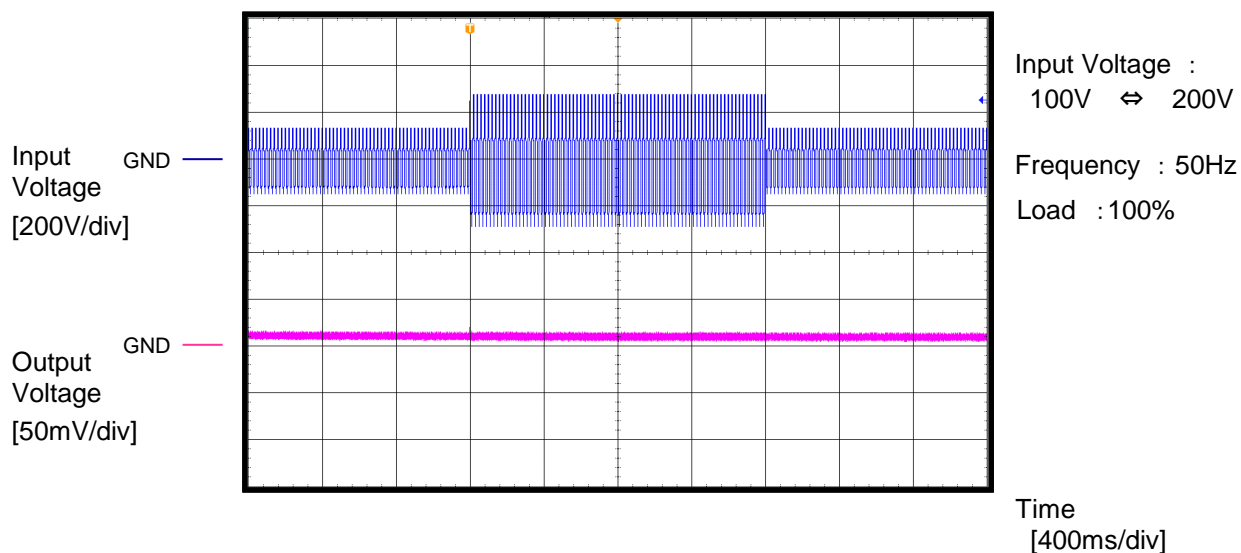
## CONTENTS

|  |   |
|--|---|
| 1.Inrush Current (enlargement) . . . . .             | 1 |
| 2.Dynamic Line Regulation . . . . .                  | 2 |
| 3.Overvoltage 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  | PBA300F-15                   |                   |      |
| Item   | Inrush Current (enlargement) | Temperature       | 25°C |
| Object |                              | Testing Circuitry | A    |

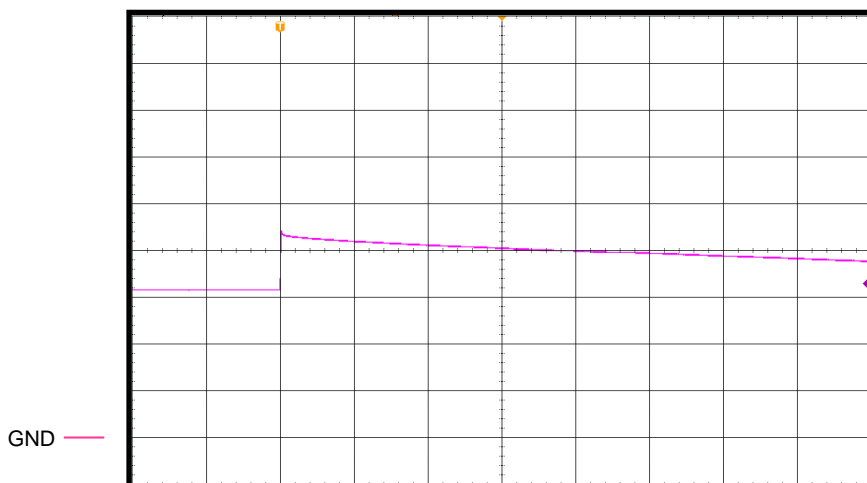


|        |                         |                   |      |
|--------|-------------------------|-------------------|------|
| Model  | PBA300F-15              | Temperature       | 25°C |
| Item   | Dynamic Line Regulation | Testing Circuitry | A    |
| Object | _____                   |                   |      |



|        |                         |                      |      |
|--------|-------------------------|----------------------|------|
|        |                         |                      |      |
| Model  | PBA300F-15              | Temperature          | 25°C |
| Item   | Over Voltage Protection | Testing Circuitry    | A    |
| Object |                         | Input Voltage : 100V |      |

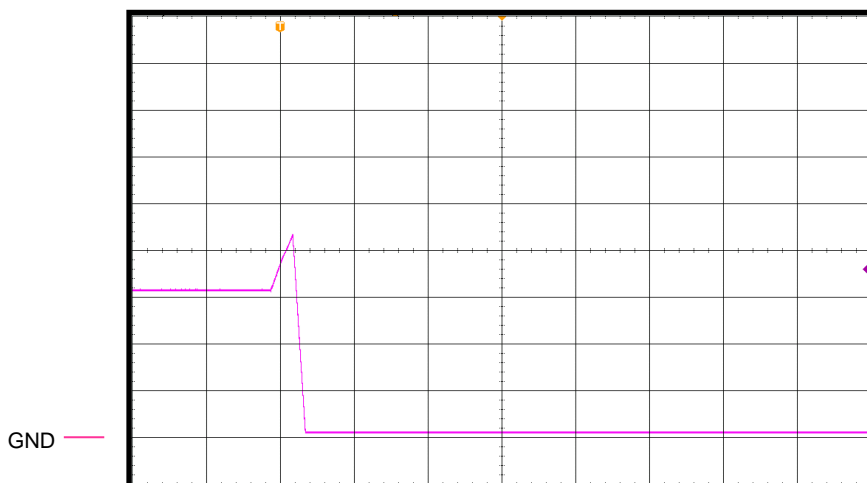
Output  
Voltage  
[5V/div]



Load : 0%  
Overvoltage protection  
value : 22.1V

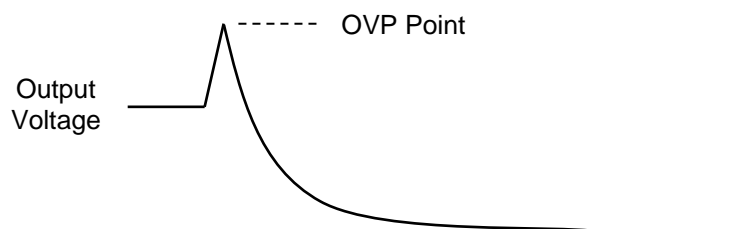
Time  
[40ms/div]

Output  
Voltage  
[5V/div]



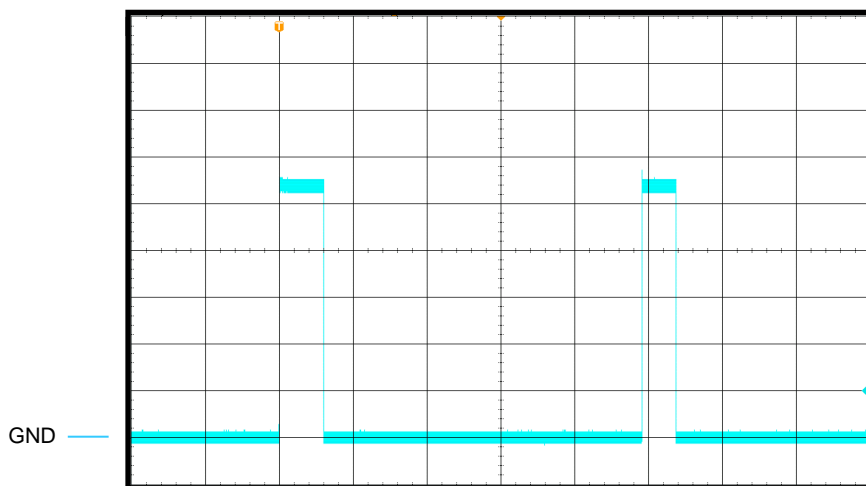
Load : 100%  
Overvoltage protection  
value : 21.7V

Time  
[20ms/div]



|        |  |                   |         |
|--------|--|-------------------|---------|
|        |  |                   |         |
| Model  | PBA300F-15                               | Temperature       | 25°C    |
| Item   | Hiccup cycle (by Overcurrent Protection) | Testing Circuitry | A       |
| Object |  | Load              | : Short |

Output Current  
[5A/div]



Input Voltage : 100V

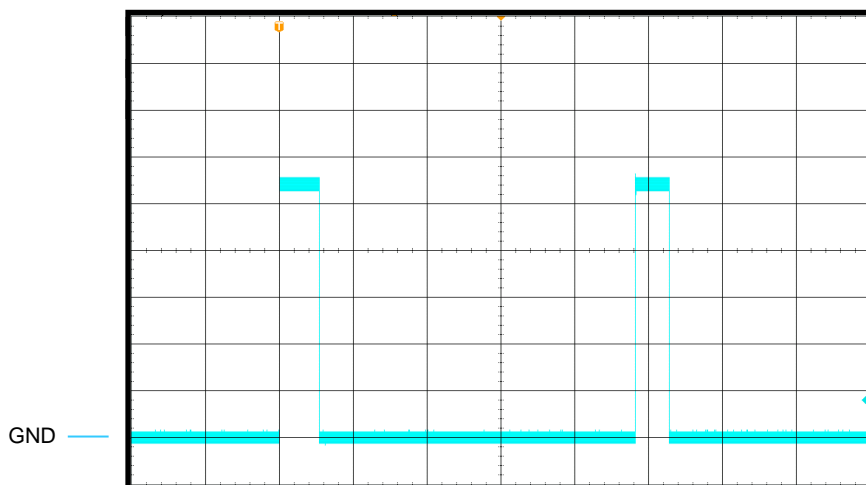
Short-circuit  
current : 28.6A

ON Time : 605ms

Hiccup mode  
time : 4911ms

Time  
[1000ms/div]

Output Current  
[5A/div]



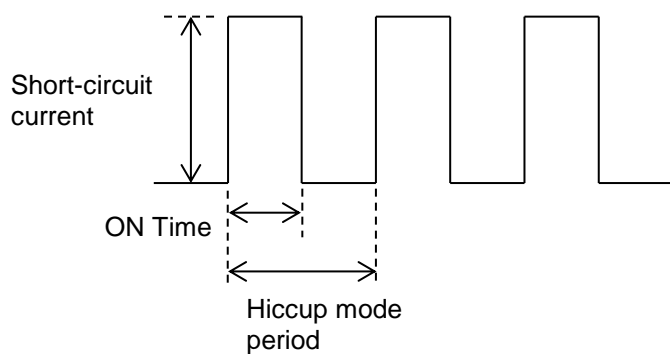
Input Voltage : 200V

Short-circuit  
current : 28.6A

ON Time : 544ms

Hiccup mode  
time : 4828ms

Time  
[1000ms/div]





| Model  | PBA300F-15                        |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
|--|-----------------------------------|---|------|-------------------|-----------------------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Item   | Input voltage - Power consumption | Temperature   | 25°C |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| Object   | _____                             | Testing Circuitry   | -    |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 1.Graph  |                                   | Load :0%  |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| <div><div>Power consumption [W]</div><div><div>Input Voltage [V]</div></div></div> |                                   | 2.Values  |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
|  |                                   | <table><tr><th>Input voltage [V]</th><th>Power consumption [W]</th></tr><tr><td>85</td><td>6.23</td></tr><tr><td>100</td><td>6.22</td></tr><tr><td>115</td><td>6.38</td></tr><tr><td>200</td><td>5.90</td></tr><tr><td>230</td><td>5.90</td></tr><tr><td>264</td><td>5.80</td></tr></table> |      | Input voltage [V] | Power consumption [W] | 85 | 6.23 | 100 | 6.22 | 115 | 6.38 | 200 | 5.90 | 230 | 5.90 | 264 | 5.80 |
| Input voltage [V]  | Power consumption [W]             |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 85   | 6.23                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 100  | 6.22                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 115  | 6.38                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 200  | 5.90                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 230  | 5.90                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| 264  | 5.80                              |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |
| Reducing standby power is possible by OFF signal of the remote control.            |                                   |   |      |                   |                       |    |      |     |      |     |      |     |      |     |      |     |      |

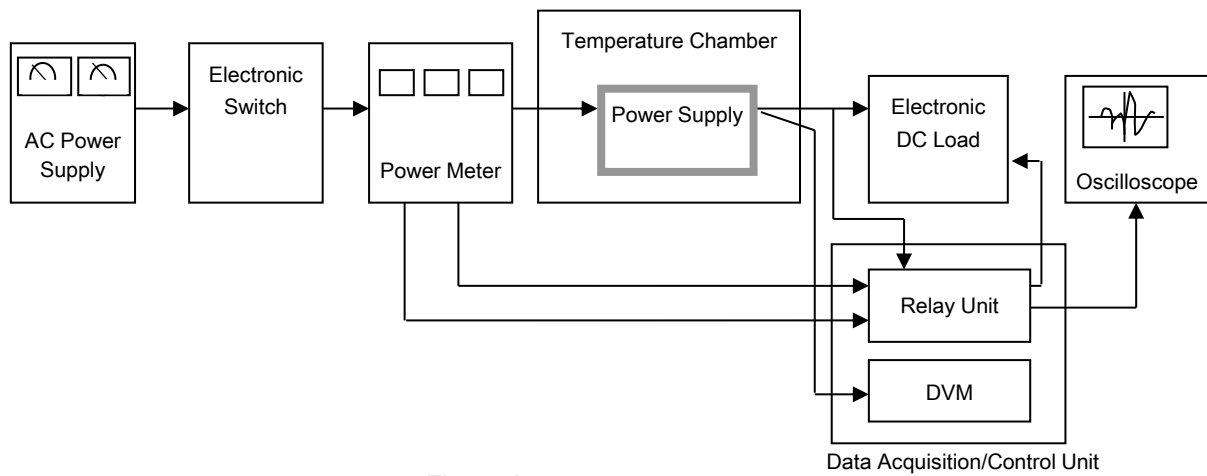


Figure A