



EXTRA TEST DATA OF PBA50F-48

*Regulated DC Power Supply
Jun, 30, 2020*

COSEL CO.,LTD.



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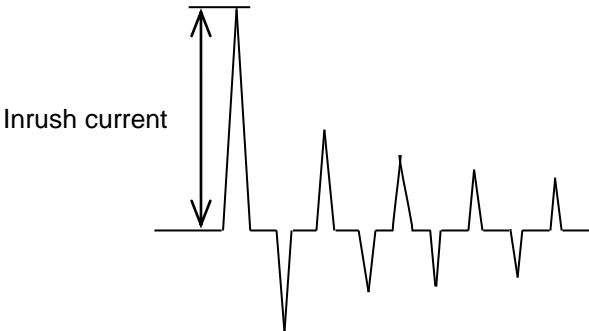
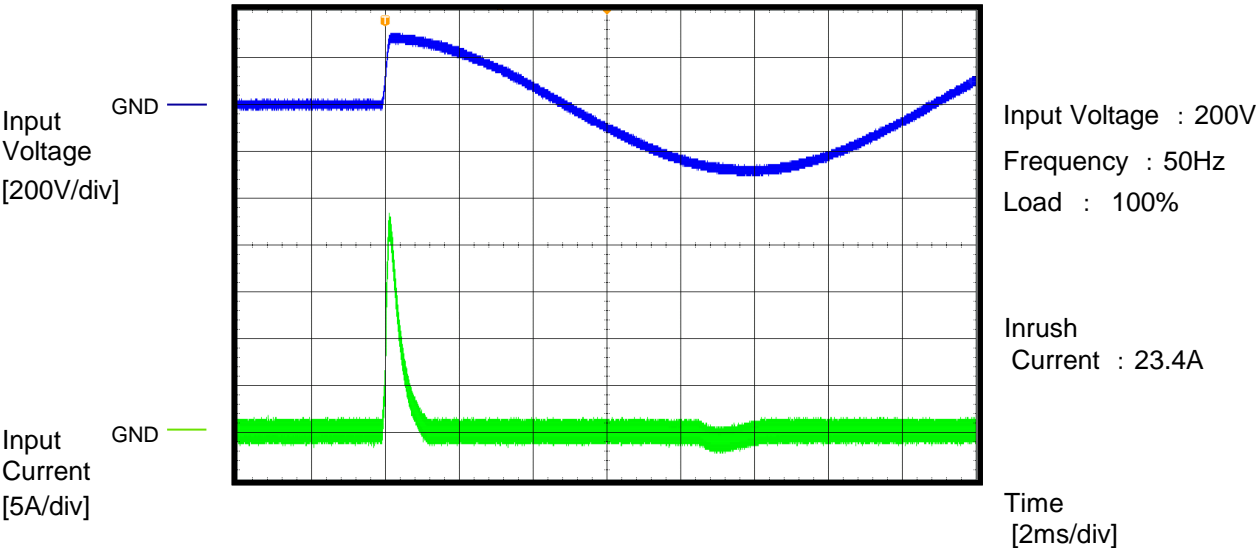
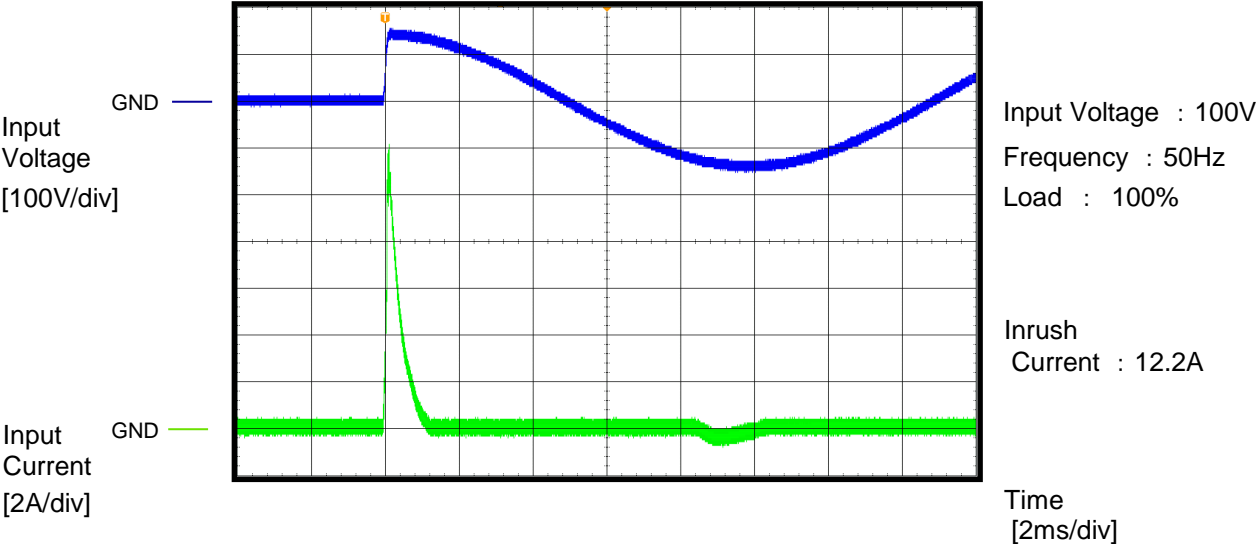
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| | | | |
|--------|------------------------------|-------------------|------|
| | | | |
| Model | PBA50F-48 | | |
| Item | Inrush Current (enlargement) | Temperature | 25°C |
| Object | | Testing Circuitry | A |

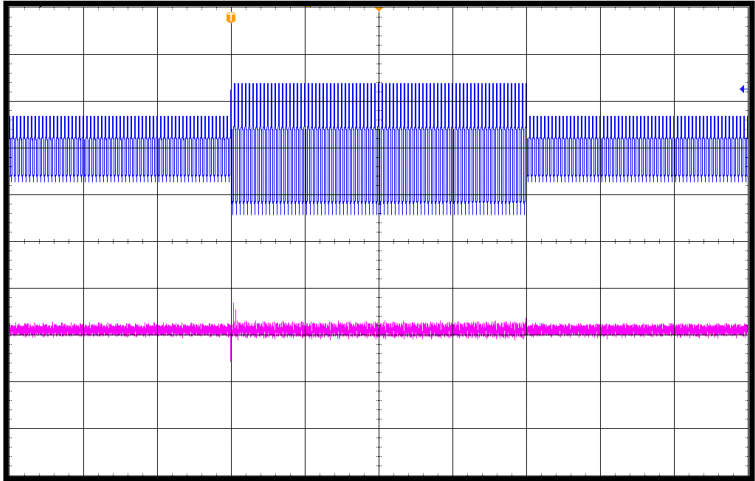




| | | | |
|--------|-------------------------|-------------------|------|
| | | | |
| Model | PBA50F-48 | | |
| Item | Dynamic Line Regulation | Temperature | 25°C |
| Object | | Testing Circuitry | A |

Input Voltage
[200V/div]

Output Voltage
[500mV/div]

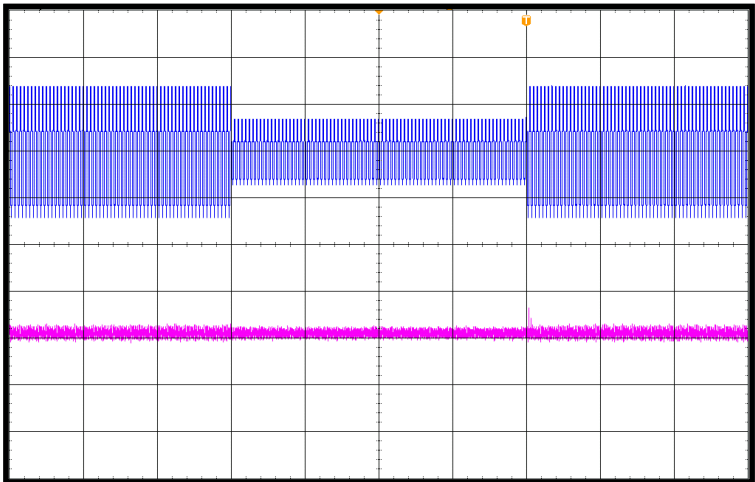


Input Voltage :
100V ⇔ 200V
Frequency : 50Hz
Load : 100%

Time
[400ms/div]

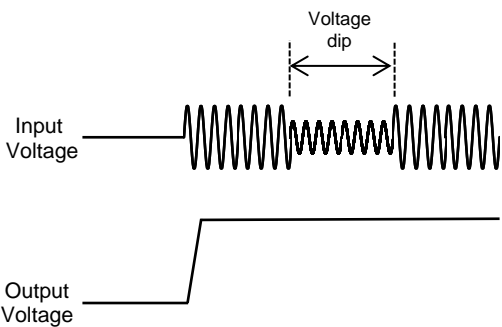
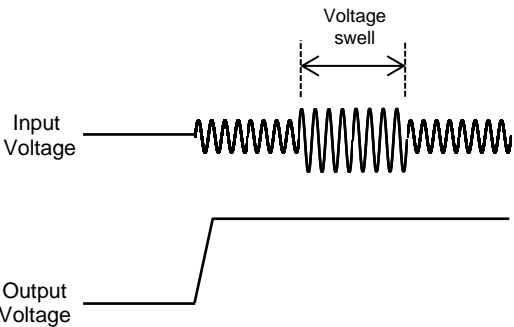
Input Voltage
[200V/div]

Output Voltage
[500mV/div]



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

Time
[400ms/div]

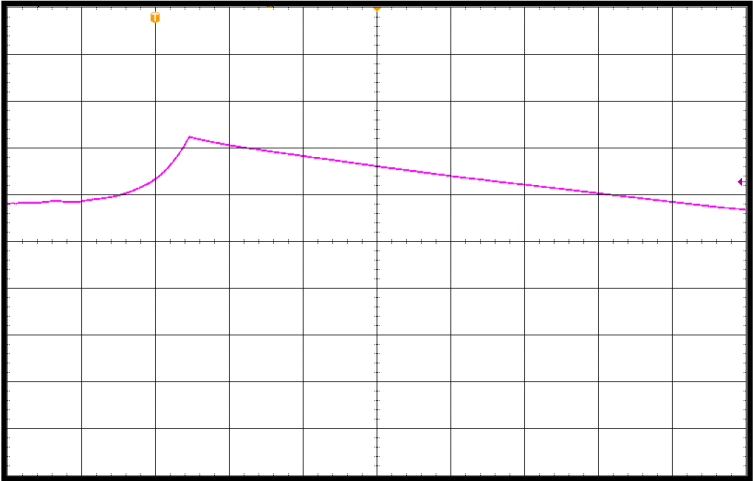




| | | | |
|--------|-------------------------|----------------------|------|
| | | | |
| Model | PBA50F-48 | | |
| Item | Over Voltage Protection | Temperature | 25°C |
| | | Testing Circuitry | A |
| Object | | Input Voltage : 100V | |

Output
Voltage
[10V/div]

GND

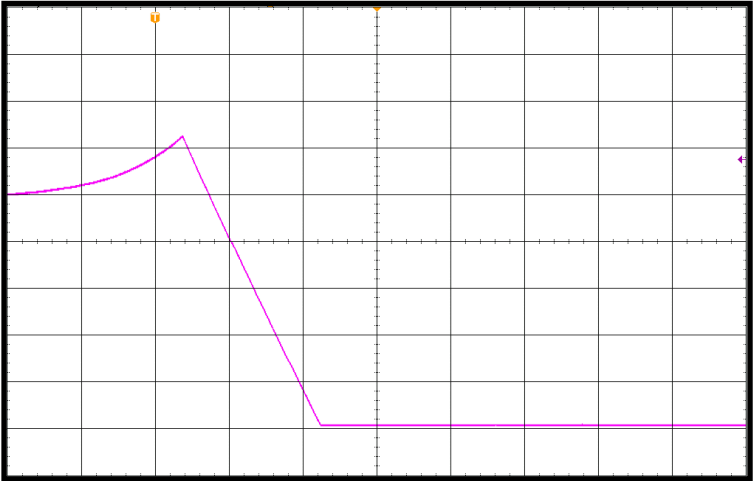


Load : 0%
Overvoltage protection
value : 62.5V

Time
[40ms/div]

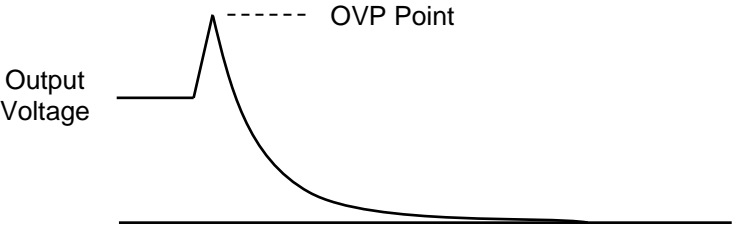
Output
Voltage
[10V/div]

GND



Load : 100%
Overvoltage protection
value : 62.7V

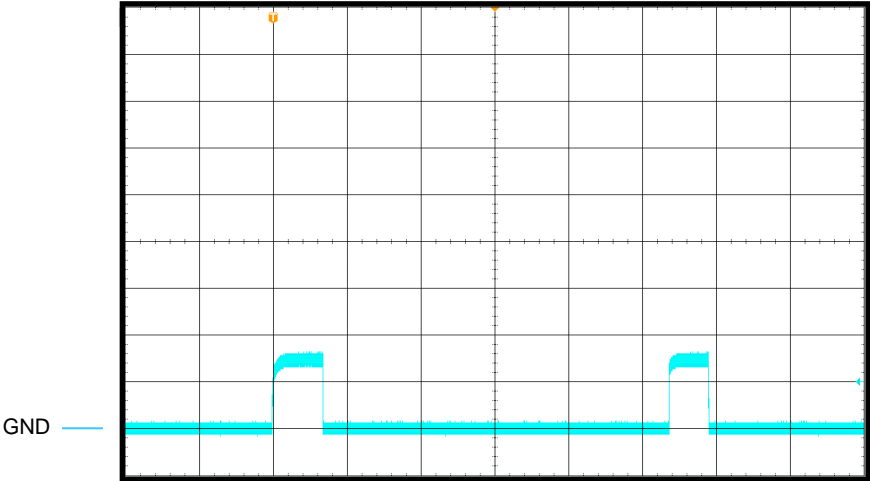
Time
[20ms/div]





| | | | |
|--------|--|-------------------|------|
| | | | |
| Model | PBA50F-48 | | |
| Item | Hiccup cycle (by Overcurrent Protection) | Temperature | 25°C |
| | | Testing Circuitry | A |
| Object | | Load : Short | |

Output Current
[1A/div]



Input Voltage : 100V

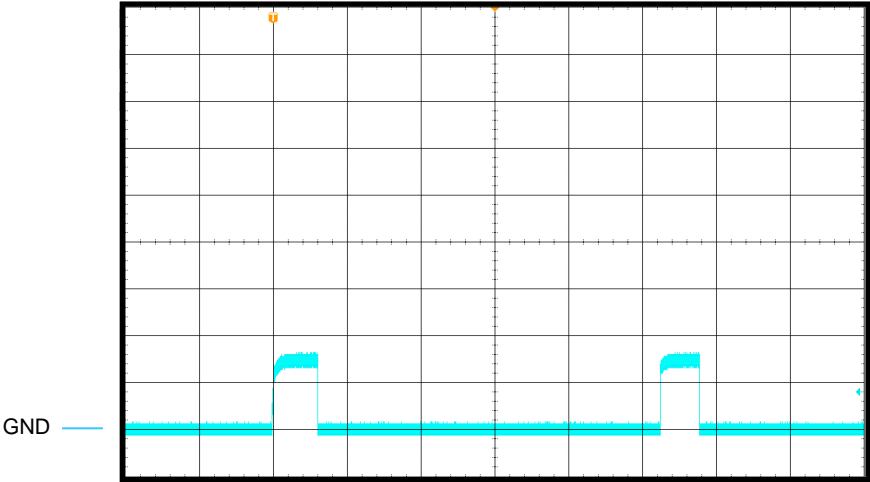
Short-circuit current : 1.6A

ON Time : 137ms

Hiccup mode time : 1076ms

Time
[200ms/div]

Output Current
[1A/div]



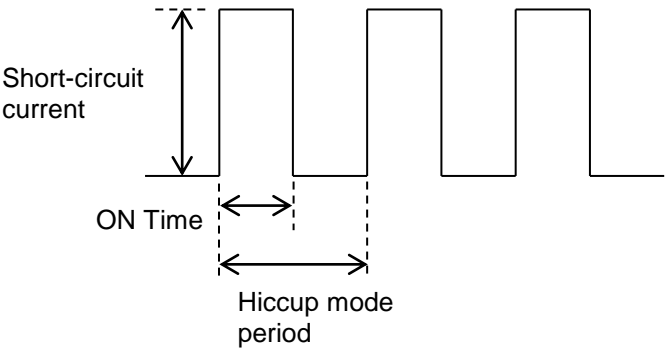
Input Voltage : 200V

Short-circuit current : 1.6A

ON Time : 122ms

Hiccup mode time : 1050ms

Time
[200ms/div]





| Model | PBA50F-48 | | | | | | | | | | | | | | | | |
|--|-----------------------------------|---|-----------------------|-------------------|-----------------------|-----|------|-----|------|-----|------|-----|------|-----|------|----------|------|
| 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>1.48</td></tr><tr><td>100</td><td>1.54</td></tr><tr><td>115</td><td>1.49</td></tr><tr><td>200</td><td>1.21</td></tr><tr><td>230</td><td>1.34</td></tr><tr><td>264</td><td>1.92</td></tr></table> <div>Input Voltage [V]</div> | | Input voltage [V] | Power consumption [W] | 85 | 1.48 | 100 | 1.54 | 115 | 1.49 | 200 | 1.21 | 230 | 1.34 | 264 | 1.92 | 2.Values | |
| Input voltage [V] | Power consumption [W] | | | | | | | | | | | | | | | | |
| 85 | 1.48 | | | | | | | | | | | | | | | | |
| 100 | 1.54 | | | | | | | | | | | | | | | | |
| 115 | 1.49 | | | | | | | | | | | | | | | | |
| 200 | 1.21 | | | | | | | | | | | | | | | | |
| 230 | 1.34 | | | | | | | | | | | | | | | | |
| 264 | 1.92 | | | | | | | | | | | | | | | | |
| | | <table><tr><th>Input voltage [V]</th><th>Power consumption [W]</th></tr><tr><td>85</td><td>1.48</td></tr><tr><td>100</td><td>1.54</td></tr><tr><td>115</td><td>1.49</td></tr><tr><td>200</td><td>1.21</td></tr><tr><td>230</td><td>1.34</td></tr><tr><td>264</td><td>1.92</td></tr></table> | | Input voltage [V] | Power consumption [W] | 85 | 1.48 | 100 | 1.54 | 115 | 1.49 | 200 | 1.21 | 230 | 1.34 | 264 | 1.92 |
| Input voltage [V] | Power consumption [W] | | | | | | | | | | | | | | | | |
| 85 | 1.48 | | | | | | | | | | | | | | | | |
| 100 | 1.54 | | | | | | | | | | | | | | | | |
| 115 | 1.49 | | | | | | | | | | | | | | | | |
| 200 | 1.21 | | | | | | | | | | | | | | | | |
| 230 | 1.34 | | | | | | | | | | | | | | | | |
| 264 | 1.92 | | | | | | | | | | | | | | | | |
| Reducing standby power is possible by OFF signal of the remote control. | | | | | | | | | | | | | | | | | |

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BC-11545

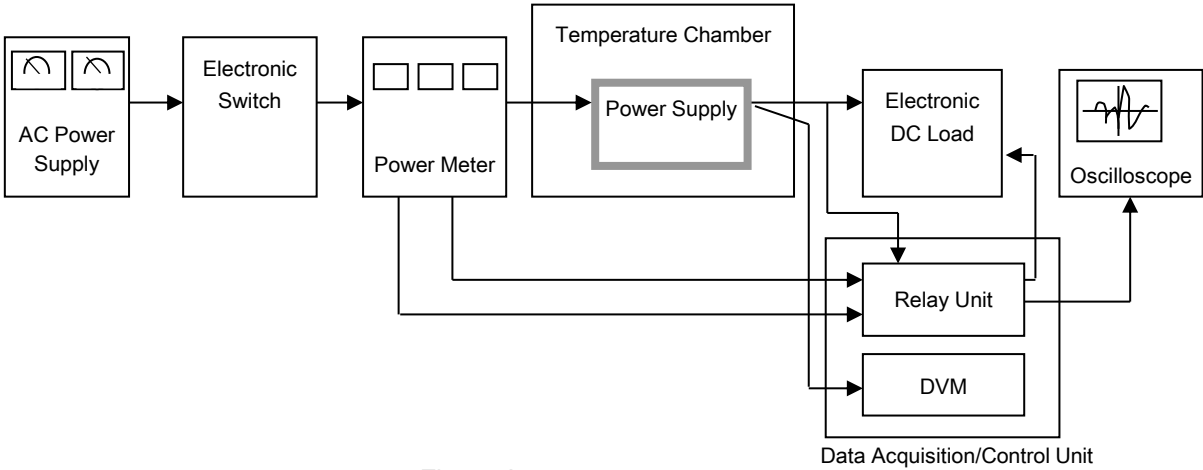


Figure A