



# PDF700S(B) CMFC(D/D-P) SERIES 700 WATT AC-DC POWER SUPPLY WITH PFC

## Features

- Universal Input Range 90~264Vac
- Efficiency up to 91.5%
- Class I
- Approval Safety IEC/EN/UL 62368-1
- Operating Altitude 5000m
- Remote On/Off
- Over Temperature Protection
- Over Voltage Protection
- Continuous Short Circuit Protection
- Chassis Mounting, Base Plate Cooled
- Built-In EMI Filter
- PDF700S, PDF700B-CMFD-P for Parallel Operation
- PDF700S Compliance to CE102/RE101 of MIL-STD-461
- PDF700B Compliance to CE101/CE102/RE101 of MIL-STD-461
- PDF700S Approval EN 55032 Class A
- PDF700B Approval EN 55032 Class B



| MODEL NUMBER    | OUTPUT VOLTAGE | OUTPUT CURRENT<br>NOTE 1 | RIPPLE & NOISE<br>NOTE 2 | VOLTAGE ACCURACY<br>NOTE 3 | LINE REGULATION<br>NOTE 4 | LOAD REGULATION<br>NOTE 4 | %EFF.<br>(Typ.)<br>NOTE 5 |
|-----------------|----------------|--------------------------|--------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| PDF700△120-CMF□ | 12 V           | 58.4 A                   | 120 mV                   | ±1.0%                      | ±0.5%                     | ±0.5%                     | 87.5%                     |
| PDF700△240-CMF□ | 24 V           | 29.2 A                   | 240 mV                   | ±1.0%                      | ±0.5%                     | ±0.5%                     | 90%                       |
| PDF700△280-CMF□ | 28 V           | 25.0 A                   | 280 mV                   | ±1.0%                      | ±0.5%                     | ±0.5%                     | 90.5%                     |
| PDF700△480-CMF□ | 48 V           | 14.6 A                   | 480 mV                   | ±1.0%                      | ±0.5%                     | ±0.5%                     | 91%                       |
| PDF700△560-CMF□ | 56 V           | 12.5 A                   | 560 mV                   | ±1.0%                      | ±0.5%                     | ±0.5%                     | 91.5%                     |

Note:

1. When the baseplate temperature reaches 95°C, the unit will be OTP, the unit need sufficient convection and heat sink.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output for ripple and noise measurement @20MHz BW.
3. Voltage accuracy is set at 60% load.
4. Line regulation is measured from 100V<sub>ac</sub> to 264V<sub>ac</sub> at full load. Load regulation is measured from 20% to 100% rated load.
5. Typical efficiency at 230V<sub>ac</sub> and full load at 25°C.
6. The CMFC series does not have a parallel function. If parallel operation is required, it is recommended to use the CMFD series with the CSC01 module or the CMFD-P series alone.
7. △=S or B, □=C or D or D-P.
8. When the PDF700S, PDF700B560-CMFD-P is in operation, detailed voltage specifications can be found in the **output characteristics** table.

## PART NUMBER

| Series | EMI<br>(EN55032)           | Nominal Output<br>Voltage                                     | Chassis Mount Type                      |                                                                                      |
|--------|----------------------------|---------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| PDF700 | O                          | XXX                                                           | -YYY                                    | Z                                                                                    |
| PDF700 | S : Class A<br>B : Class B | 120 : 12V<br>240 : 24V<br>280 : 28V<br>480 : 48V<br>560 : 56V | -CMF : Chassis Mount built<br>in Filter | C : Open Frame (Only for PDF700S)<br>D : With Cover<br>D-P : With Cover for Parallel |

Part Number Example:

**PDF700S120-CMFD:** 700W, Class A, Single 12Vdc Output, Chassis Mount With Cover



# PDF700S(B) CMFC(D/D-P) Series

## TECHNICAL SPECIFICATIONS

(All specifications are typical at nominal input, full load at 25°C unless otherwise noted.)

### ABSOLUTE MAXIMUM RATINGS

| PARAMETER                  | NOTES and CONDITIONS                 | Device | Min.      | Typ. | Max.       | Units                              |
|----------------------------|--------------------------------------|--------|-----------|------|------------|------------------------------------|
| Input Voltage              | Continuous                           | All    | 90<br>120 |      | 264<br>370 | V <sub>ac</sub><br>V <sub>dc</sub> |
| Operating Case Temperature | Measured at the center of base plate | All    | -40       |      | 95         | °C                                 |
| Storage Temperature        |                                      | All    | -55       |      | 105        | °C                                 |
| Operating Altitude         |                                      | All    |           |      | 5000       | m                                  |

### INPUT CHARACTERISTICS

| PARAMETER                | NOTES and CONDITIONS                                     | Device | Min. | Typ. | Max. | Units           |
|--------------------------|----------------------------------------------------------|--------|------|------|------|-----------------|
| Operating Voltage Range  |                                                          | All    | 100  |      | 240  | V <sub>ac</sub> |
| Input Frequency Range    | 47-63/440 Hz (Safety rating: 50/60 Hz)                   | All    | 47   |      | 440  | Hz              |
| Maximum Input Current    | 100% Load, V <sub>in</sub> =100V <sub>ac</sub>           | All    |      |      | 9    | A               |
| Leakage Current          |                                                          | All    |      |      | 1    | mA              |
| Inrush Current           | V <sub>in</sub> =240V <sub>ac</sub> , Cold Start at 25°C | All    |      | 35   |      | A               |
| Under Voltage Protection |                                                          | All    | 63   |      | 77   | V <sub>ac</sub> |
| Power Factor             | 230V <sub>ac</sub> /50Hz @ Full load                     | All    |      | 0.97 |      |                 |

### OUTPUT CHARACTERISTICS

| PARAMETER                      | NOTES and CONDITIONS                                                                                                                                                                                             | Device      | Min.  | Typ. | Max.  | Units           |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|-------|-----------------|
| Output Voltage Set Point       | V <sub>in</sub> =115V <sub>ac</sub> and 230V <sub>ac</sub> , I <sub>o</sub> =60% I <sub>o max.</sub> ,<br>T <sub>c</sub> =25°C                                                                                   | 120-CMFC(D) | 11.88 | 12   | 12.12 | V <sub>dc</sub> |
|                                |                                                                                                                                                                                                                  | 240-CMFC(D) | 23.76 | 24   | 24.24 |                 |
|                                |                                                                                                                                                                                                                  | 280-CMFC(D) | 27.72 | 28   | 28.28 |                 |
|                                |                                                                                                                                                                                                                  | 480-CMFC(D) | 47.52 | 48   | 48.48 |                 |
|                                |                                                                                                                                                                                                                  | 560-CMFC(D) | 55.44 | 56   | 56.56 |                 |
|                                | V <sub>in</sub> =115V <sub>ac</sub> and 230V <sub>ac</sub> , Load=0W,<br>T <sub>c</sub> =25°C<br>(The output voltage of 560-CMFD-P need to be adjusted downward to avoid OVP, e.g. 56.7V and 54V on this table.) | 120-CMFD-P  | 12.53 | 12.6 | 12.67 | V <sub>dc</sub> |
|                                |                                                                                                                                                                                                                  | 240-CMFD-P  | 25.07 | 25.2 | 25.33 |                 |
|                                |                                                                                                                                                                                                                  | 280-CMFD-P  | 29.25 | 29.4 | 29.55 |                 |
|                                |                                                                                                                                                                                                                  | 480-CMFD-P  | 50.14 | 50.4 | 50.66 |                 |
|                                | V <sub>in</sub> =115V <sub>ac</sub> and 230V <sub>ac</sub> , Load=600W,<br>T <sub>c</sub> =25°C                                                                                                                  | 560-CMFD-P  | 56.41 | 56.7 | 56.99 | V <sub>dc</sub> |
|                                |                                                                                                                                                                                                                  | 120-CMFD-P  | 11.76 | 12   | 12.24 |                 |
|                                |                                                                                                                                                                                                                  | 240-CMFD-P  | 23.52 | 24   | 24.48 |                 |
|                                |                                                                                                                                                                                                                  | 280-CMFD-P  | 27.44 | 28   | 28.56 |                 |
|                                |                                                                                                                                                                                                                  | 480-CMFD-P  | 47.04 | 48   | 48.96 |                 |
| Operating Output Current Range | V <sub>in</sub> =115V <sub>ac</sub> and 230V <sub>ac</sub> , T <sub>c</sub> =25°C<br>(When the PDF700S, PDF700B-CMFD-P is used in parallel, 85% of the total rated power is recommended)                         | 560-CMFD-P  | 52.92 | 54   | 55.08 | V <sub>dc</sub> |
|                                |                                                                                                                                                                                                                  | 120-CMFC(D) |       |      | 58.4  | A               |
|                                |                                                                                                                                                                                                                  | 240-CMFC(D) |       |      | 29.2  |                 |
|                                |                                                                                                                                                                                                                  | 280-CMFC(D) |       |      | 25.0  |                 |
|                                |                                                                                                                                                                                                                  | 480-CMFC(D) |       |      | 14.6  |                 |
|                                |                                                                                                                                                                                                                  | 560-CMFC(D) |       |      | 12.5  |                 |
|                                |                                                                                                                                                                                                                  | 120-CMFD-P  |       | 50.0 | 58.4  | A               |
|                                |                                                                                                                                                                                                                  | 240-CMFD-P  |       | 25.0 | 29.2  |                 |
|                                |                                                                                                                                                                                                                  | 280-CMFD-P  |       | 21.4 | 25.0  |                 |
|                                |                                                                                                                                                                                                                  | 480-CMFD-P  |       | 12.5 | 14.6  |                 |
|                                |                                                                                                                                                                                                                  | 560-CMFD-P  |       | 11.1 | 12.5  |                 |
| Holdup Time                    | V <sub>in</sub> =115V <sub>ac</sub> (refer to the application note)                                                                                                                                              | All         |       | 16   |       | ms              |
| Output Voltage Regulation      |                                                                                                                                                                                                                  |             |       |      |       |                 |
| Load Regulation                | 20% Load to 100% load                                                                                                                                                                                            | CMFC(D)     |       |      | ±0.5  | %               |
|                                | 20% Load to 85.7% load (600W)                                                                                                                                                                                    | CMFD-P      |       |      | ±7    |                 |



## PDF700S(B) CMFC(D/D-P) Series

| PARAMETER                 | NOTES and CONDITIONS                                                                                                                                        | Device                                                                                      | Min.     | Typ. | Max.                                      | Units    |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|------|-------------------------------------------|----------|
| Line Regulation           | $V_{in}$ =High line to low line                                                                                                                             | All                                                                                         |          |      | ±0.5                                      | %        |
| Output Voltage Trim Range | $P_o \leq \text{max. rated power}$ , $I_o \leq I_{o\_max}$<br>(refer to the application note)                                                               | 560-CMFC(D)<br>Others-CMFC(D)                                                               | -5<br>-5 |      | +1.8<br>+5                                | %        |
|                           | No load, (refer to the application note)                                                                                                                    | 560-CMFD-P<br>Others-CMFD-P                                                                 | 0<br>0   |      | +1.8<br>+5                                |          |
| Over Current Protection   | Hiccup mode, auto recovery                                                                                                                                  | All                                                                                         | 105      |      | 220                                       | %        |
| Over Voltage Protection   | Latch off (recycle AC input to restart)                                                                                                                     | 120-CMFC(D/D-P)<br>240-CMFC(D/D-P)<br>280-CMFC(D/D-P)<br>480-CMFC(D/D-P)<br>560-CMFC(D/D-P) |          |      | 16.8<br>33.6<br>39.2<br>57.6<br>59.9      | $V_{dc}$ |
| Output Ripple and Noise   | 1. Add a 0.1uF ceramic capacitor and a 10uF aluminum electrolytic capacitor to output<br>2. Oscilloscope is 20MHz band width<br>3. Ambient temperature=25°C | 120-CMFC(D/D-P)<br>240-CMFC(D/D-P)<br>280-CMFC(D/D-P)<br>480-CMFC(D/D-P)<br>560-CMFC(D/D-P) |          |      | 120<br>240<br>280<br>480<br>560           | mV       |
| Load Capacitance          | 1. Input voltage is 115V <sub>ac</sub> and 230V <sub>ac</sub><br>2. Output is max. load<br>3. Ambient temperature=25°C                                      | 120-CMFC(D/D-P)<br>240-CMFC(D/D-P)<br>280-CMFC(D/D-P)<br>480-CMFC(D/D-P)<br>560-CMFC(D/D-P) |          |      | 58340<br>29170<br>25000<br>14590<br>12500 | uF       |

### EFFICIENCY

| PARAMETER  | NOTES and CONDITIONS                                              | Device                                                                                      | Min. | Typ.                             | Max. | Units |
|------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------|----------------------------------|------|-------|
| Efficiency | 1. Output is rated load<br>2. Input voltage is 230V <sub>ac</sub> | 120-CMFC(D/D-P)<br>240-CMFC(D/D-P)<br>280-CMFC(D/D-P)<br>480-CMFC(D/D-P)<br>560-CMFC(D/D-P) |      | 87.5<br>90<br>90.5<br>91<br>91.5 |      | %     |

### ISOLATION CHARACTERISTICS

| PARAMETER                | NOTES and CONDITIONS                    | Device | Min. | Typ. | Max. | Units           |
|--------------------------|-----------------------------------------|--------|------|------|------|-----------------|
| Input to Output          | 1 Minute (without dielectric breakdown) | All    |      |      | 3000 | V <sub>ac</sub> |
| Input to Earth (Ground)  | 1 Minute (without dielectric breakdown) | All    |      |      | 2000 | V <sub>ac</sub> |
| Output to Earth (Ground) | 1 Minute (without dielectric breakdown) | All    |      |      | 500  | V <sub>ac</sub> |
| Isolation Resistance     | Input to output                         | All    | 100  |      |      | MΩ              |

### FEATURE CHARACTERISTICS

| PARAMETER                 | NOTES and CONDITIONS                                | Device            | Min.                        | Typ. | Max. | Units |
|---------------------------|-----------------------------------------------------|-------------------|-----------------------------|------|------|-------|
| Switching Frequency       |                                                     | All               |                             | 220  |      | kHz   |
| Over Temperature Shutdown | Measured at the center of base plate, auto recovery | All               |                             | 105  |      | °C    |
| Over Temperature Recovery |                                                     |                   |                             | 100  |      |       |
| Series Operation          | Refer to the application note                       | All               | Possible                    |      |      |       |
| Parallel Operation        | Refer to the application note                       | CMFC(D)<br>CMFD-P | Not recommended<br>Possible |      |      |       |



# PDF700S(B) CMFC(D/D-P) Series

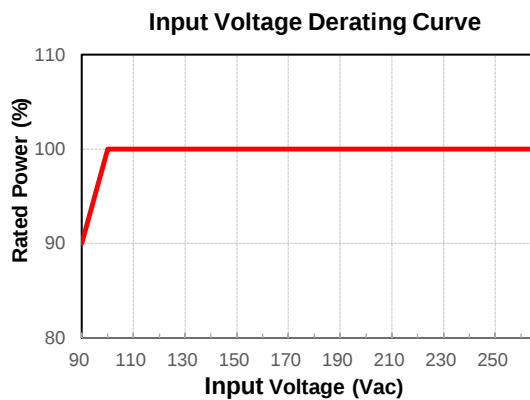
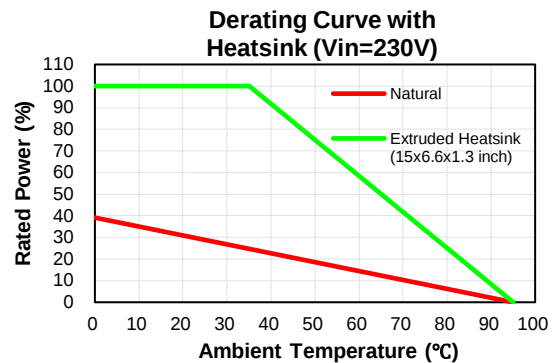
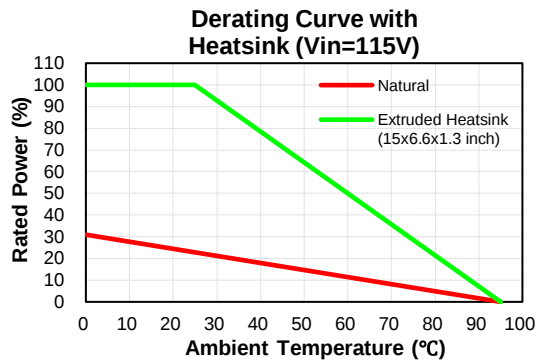
## GENERAL SPECIFICATIONS

| PARAMETER                                        | NOTES and CONDITIONS                                                                                                        | Device                | Min.                                                                                         | Typ.       | Max.                                     | Units      |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|
| MTBF                                             | I <sub>o</sub> =100%, T <sub>a</sub> =25°C per MIL-HDBK-217F<br>I <sub>o</sub> =100%, T <sub>a</sub> =25°C, Telcordia SR332 | All                   | 160<br>840                                                                                   |            |                                          | k<br>hours |
| Humidity                                         | Non-condensing                                                                                                              | All                   |                                                                                              |            | 93                                       | % RH       |
| Shock                                            | Meets MIL-STD-810F Table 516.5,Table 516.5-I 10ms, each axis 3 times(±X, ±Y,±Z axis)                                        | All                   |                                                                                              | 75         |                                          | g          |
| Vibration                                        | Meets MIL-STD-810F Table 514.5C-VIII,15~2000Hz, X, Y, Z axis, 1hr (each axis),. total 3 hrs.                                | All                   |                                                                                              | 4          |                                          | g          |
| Weight                                           |                                                                                                                             | CMFC<br>CMFD(D-P)     |                                                                                              | 760<br>880 |                                          | grams      |
| Dimensions                                       |                                                                                                                             | CMFC<br><br>CMFD(D-P) | 9.45x4.33x1.587 Inches<br>(240x110x40.30 mm)<br>9.45x4.33x1.654 Inches<br>(240x110x42.00 mm) |            |                                          |            |
| Case Material                                    |                                                                                                                             | CMFC<br>CMFD(D-P)     | Aluminum Base<br>Aluminum Base and Aluminum Cover                                            |            |                                          |            |
| Safety                                           | Class I, IEC/EN/UL 62368-1                                                                                                  |                       |                                                                                              |            | Ed 3.0                                   |            |
| EMC Emission                                     | EN 55032                                                                                                                    |                       |                                                                                              |            | Class A (PDF700S)<br>Class B (PDF700B)   |            |
| Conducted Disturbance                            | EN 55032                                                                                                                    |                       |                                                                                              |            | Class A (PDF700S)<br>Class B (PDF700B)   |            |
| Radiated Disturbance                             | EN 55032                                                                                                                    |                       |                                                                                              |            | Class A (PDF700S)<br>Class B (PDF700B)   |            |
| Harmonic Current Emissions                       | EN 61000-3-2:2019+A1:2021                                                                                                   |                       |                                                                                              |            |                                          |            |
| Voltage Fluctuations & Flicker                   | EN 61000-3-3:2013+A2:2021                                                                                                   |                       |                                                                                              |            |                                          |            |
| EMC Immunity                                     | EN 55035                                                                                                                    |                       |                                                                                              |            |                                          |            |
| Electrostatic Discharge (ESD)                    | IEC 61000-4-2:2008, Air Discharge: ±8kV Contact Discharge: ±4kV                                                             |                       |                                                                                              |            | Criterion A                              |            |
| Radio-Frequency, Continuous Radiated Disturbance | IEC 61000-4-3:2020                                                                                                          |                       |                                                                                              |            | Criterion A                              |            |
| Electrical Fast Transient (EFT)                  | IEC 61000-4-4:2012, ±1kV, ±2kV                                                                                              |                       |                                                                                              |            | Criterion A                              |            |
| Surge                                            | IEC 61000-4-5:2014+A1:2017<br>L-N: ±0.5kV, ±1kV, ±2kV, L-E(ground): ±0.5kV, ±1kV, ±2kV, ±4kV                                |                       |                                                                                              |            | Criterion A (±2kV)<br>Criterion B (±4kV) |            |
| Conducted Disturbances, Induced by RF Fields     | IEC 61000-4-6:2013+COR1:2015                                                                                                |                       |                                                                                              |            | Criterion A                              |            |
| Power Frequency Magnetic Field                   | IEC 61000-4-8:2009                                                                                                          |                       |                                                                                              |            | Criterion A                              |            |
| Voltage Dips                                     | IEC 61000-4-11:2020, Dip: 30% Reduction, Dip >95% Reduction                                                                 |                       |                                                                                              |            | Criterion A                              |            |
| Voltage Interruptions                            | IEC 61000-4-11:2020, >95% Reduction                                                                                         |                       |                                                                                              |            | Criterion B                              |            |
| MIL-STD-461 EMI                                  | PDF700S complies with CE102, RE101<br>PDF700B complies with CE101 (Submarine), CE102 and RE101                              |                       |                                                                                              |            |                                          |            |
| Application Note Link                            |                                                                                                                             |                       | <a href="#">PDF700S(B) CMFC(D/D-P) Series App Notes</a>                                      |            |                                          |            |

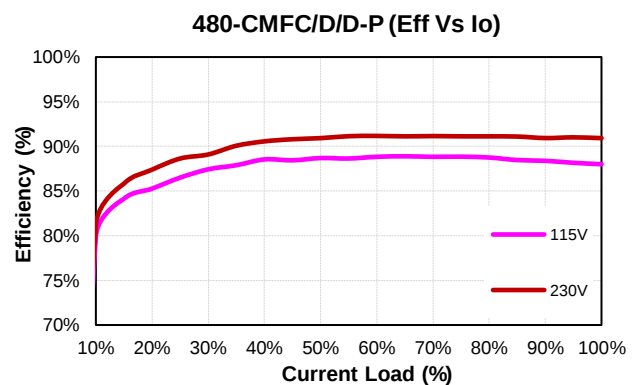
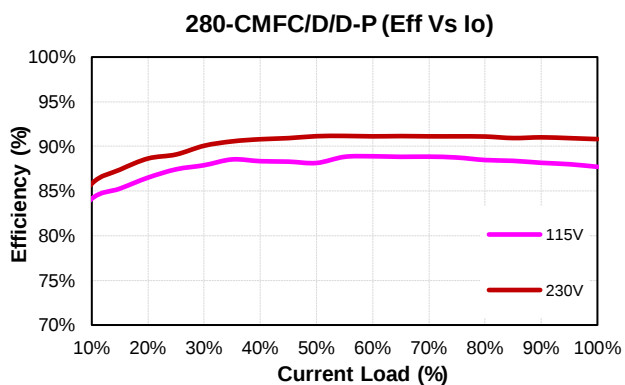
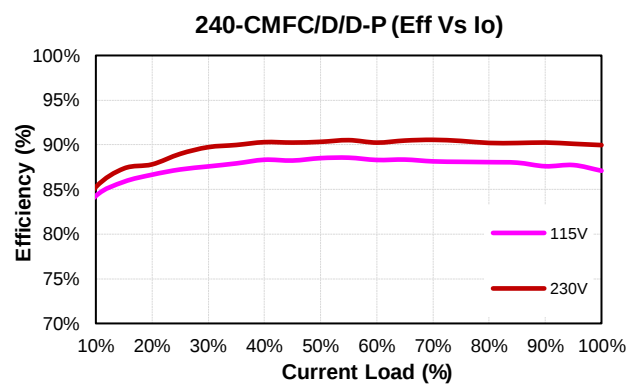
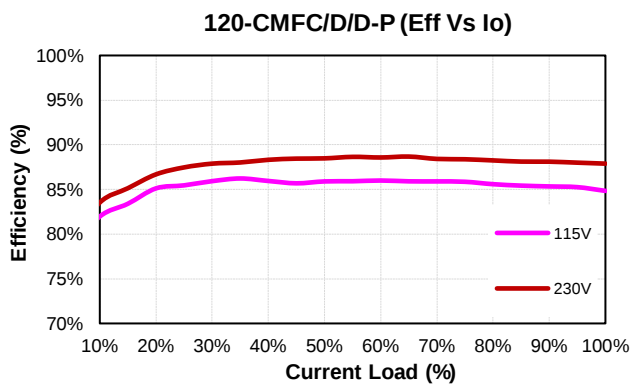


## CHARACTERISTIC CURVE

## Power Derating Curve

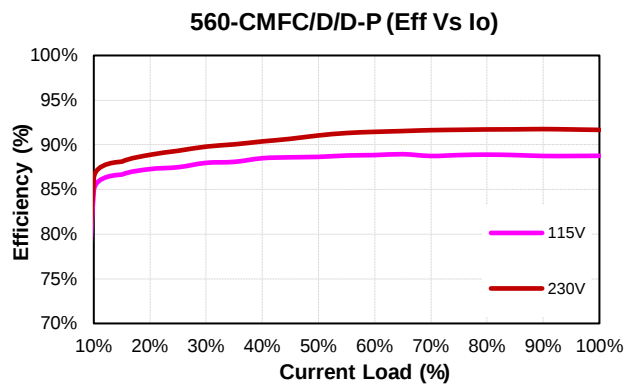


## Performance Data





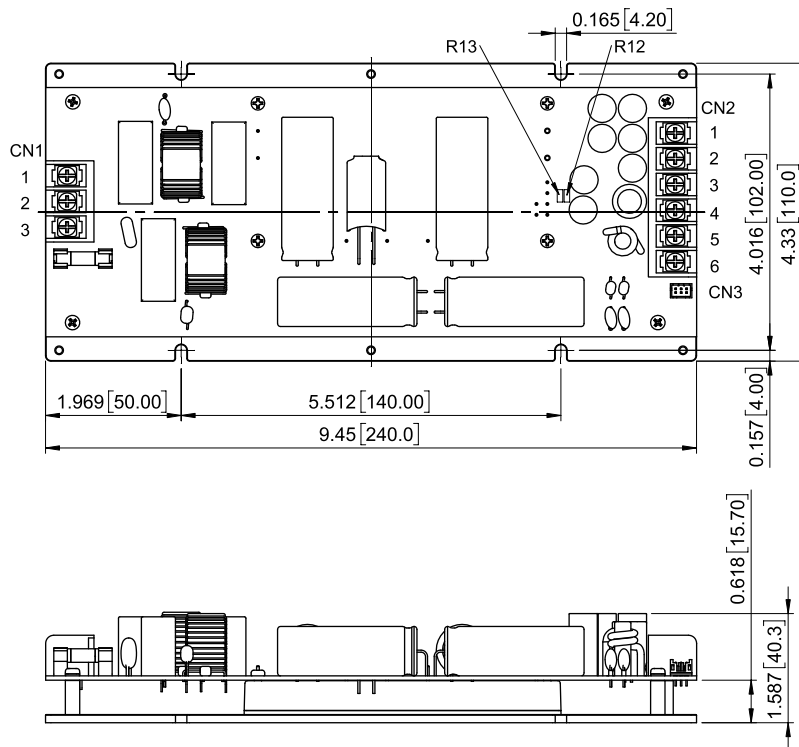
## PDF700S(B) CMFC(D/D-P) Series





# PDF700S(B) CMFC(D/D-P) Series

## MECHANICAL SPECIFICATION



## PDF700S-CMFC

All Dimensions in Inches[mm]

Tolerance Inches: x.xx=±0.03, x.xxx=±0.020

Millimeters: x.x=±0.7, x.xx=±0.50

AC Input Connector(CN1) :  
DINKLE DT-49-B01W-03 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | FG       | 12~22 AWG         |
| 2   | AC1      |                   |
| 3   | AC2      |                   |

DC Output Connector(CN2) :  
DINKLE DT-49-B01W-06 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | -Vo      | 12~22 AWG         |
| 2   | -Vo      |                   |
| 3   | -Vo      |                   |
| 4   | +Vo      |                   |
| 5   | +Vo      |                   |
| 6   | +Vo      |                   |

DC Output Connector(CN3) :  
LCU P220V-2x3 or equivalent

| Pin | Function | Mating Housing                     | Terminal                     |
|-----|----------|------------------------------------|------------------------------|
| 1   | ON/OFF+  | LCU<br>H220G1-2X3<br>or equivalent | LCU<br>T220<br>or equivalent |
| 2   | IOG      |                                    |                              |
| 3   | NC       |                                    |                              |
| 4   | ON/OFF-  |                                    |                              |
| 5   | NC       |                                    |                              |
| 6   | NC       |                                    |                              |

## PDF700S-CMFD

All Dimensions in Inches[mm]

Tolerance Inches: x.xx=±0.03, x.xxx=±0.020

Millimeters: x.x=±0.7, x.xx=±0.50

AC Input Connector(CN1) :  
DINKLE DT-49-B01W-03 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | FG       | 12~22 AWG         |
| 2   | AC1      |                   |
| 3   | AC2      |                   |

DC Output Connector(CN2) :  
DINKLE DT-49-B01W-06 or equivalent

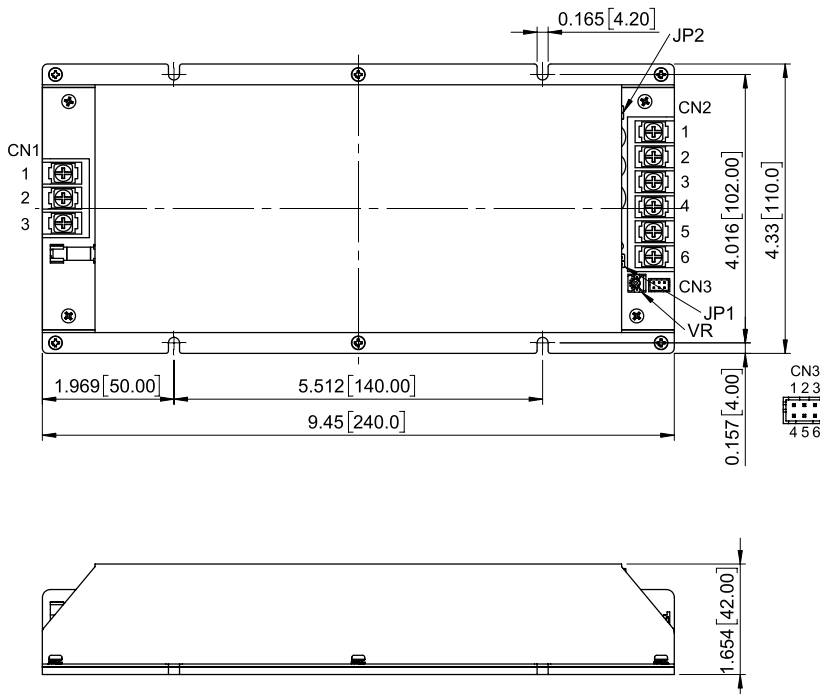
| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | -Vo      | 12~22 AWG         |
| 2   | -Vo      |                   |
| 3   | -Vo      |                   |
| 4   | +Vo      |                   |
| 5   | +Vo      |                   |
| 6   | +Vo      |                   |

DC Output Connector(CN3) :  
LCU P220V-2x3 or equivalent

| Pin | Function | Mating Housing                     | Terminal                     |
|-----|----------|------------------------------------|------------------------------|
| 1   | TRIM     | LCU<br>H220G1-2X3<br>or equivalent | LCU<br>T220<br>or equivalent |
| 2   | -S       |                                    |                              |
| 3   | ON/OFF-  |                                    |                              |
| 4   | IOG      |                                    |                              |
| 5   | +S       |                                    |                              |
| 6   | ON/OFF+  |                                    |                              |

DC Output Connector(JP1&JP2) :  
LCU P301G-02-G1 or equivalent

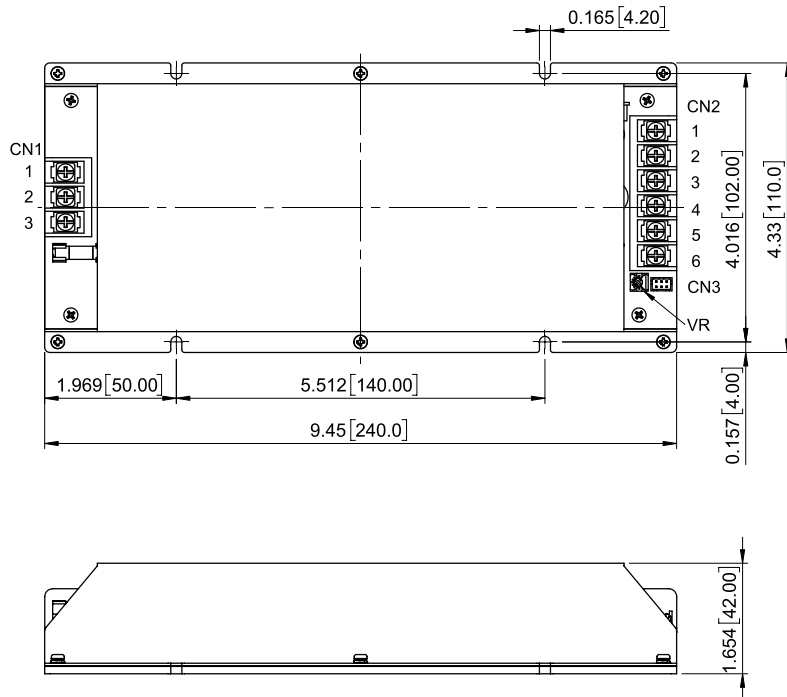
| Pin | Function     | Mating Housing                   | Terminal                     |
|-----|--------------|----------------------------------|------------------------------|
| JP1 | Short +S&+Vo | LCU<br>H301G-02<br>or equivalent | LCU<br>T306<br>or equivalent |
| JP2 | Short -S&-Vo |                                  |                              |





# PDF700S(B) CMFC(D/D-P) Series

## MECHANICAL SPECIFICATION



## PDF700S-CMFD-P

All Dimensions in Inches[mm]

Tolerance Inches: x.xx=±0.03, x.xxx=±0.020

Millimeters: x.x=±0.7, x.xx=±0.50

AC Input Connector(CN1) :  
DINKLE DT-49-B01W-03 or equivalent

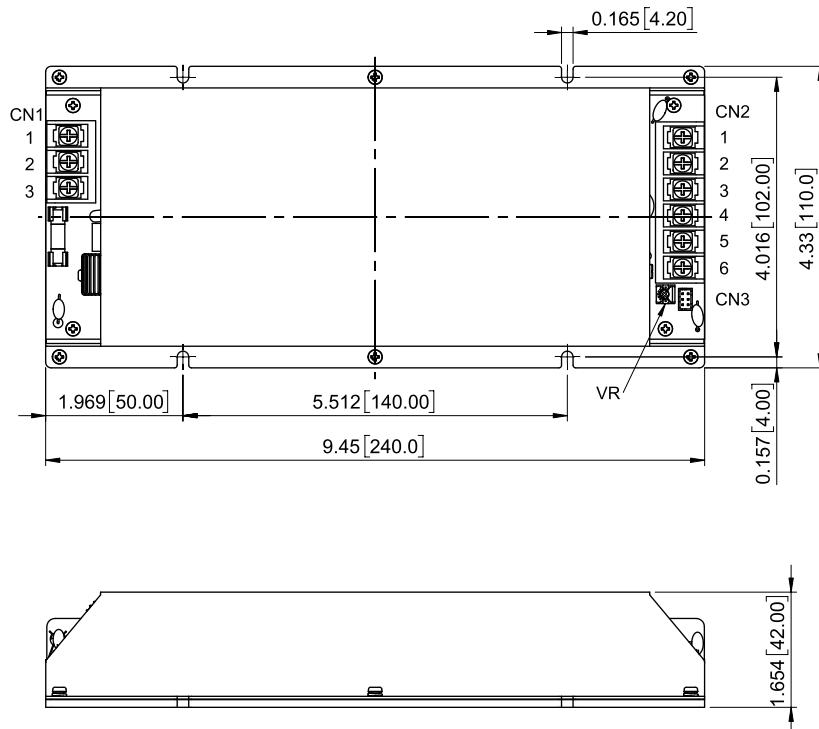
| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | FG       | 12~22 AWG         |
| 2   | AC1      |                   |
| 3   | AC2      |                   |

DC Output Connector(CN2) :  
DINKLE DT-49-B01W-06 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | -Vo      | 12~22 AWG         |
| 2   | -Vo      |                   |
| 3   | -Vo      |                   |
| 4   | +Vo      |                   |
| 5   | +Vo      |                   |
| 6   | +Vo      |                   |

DC Output Connector(CN3) :  
LCU P220V-2x3 or equivalent

| Pin | Function | Mating Housing                     | Terminal                     |
|-----|----------|------------------------------------|------------------------------|
| 1   | -Vo      | LCU<br>H220G1-2X3<br>or equivalent | LCU<br>T220<br>or equivalent |
| 2   | NC       |                                    |                              |
| 3   | ON/OFF-  |                                    |                              |
| 4   | IOG      |                                    |                              |
| 5   | NC       |                                    |                              |
| 6   | ON/OFF+  |                                    |                              |



## PDF700B-CMFD

All Dimensions in Inches[mm]

Tolerance Inches: x.xx=±0.03, x.xxx=±0.020

Millimeters: x.x=±0.7, x.xx=±0.50

AC Input Connector(CN1) :  
DINKLE DT-49-B01W-03 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | FG       | 12~22 AWG         |
| 2   | AC1      |                   |
| 3   | AC2      |                   |

DC Output Connector(CN2) :  
DINKLE DT-49-B01W-06 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | -Vo      | 12~22 AWG         |
| 2   | -Vo      |                   |
| 3   | -Vo      |                   |
| 4   | +Vo      |                   |
| 5   | +Vo      |                   |
| 6   | +Vo      |                   |

DC Output Connector(CN3) :  
LCU P220V-2x3 or equivalent

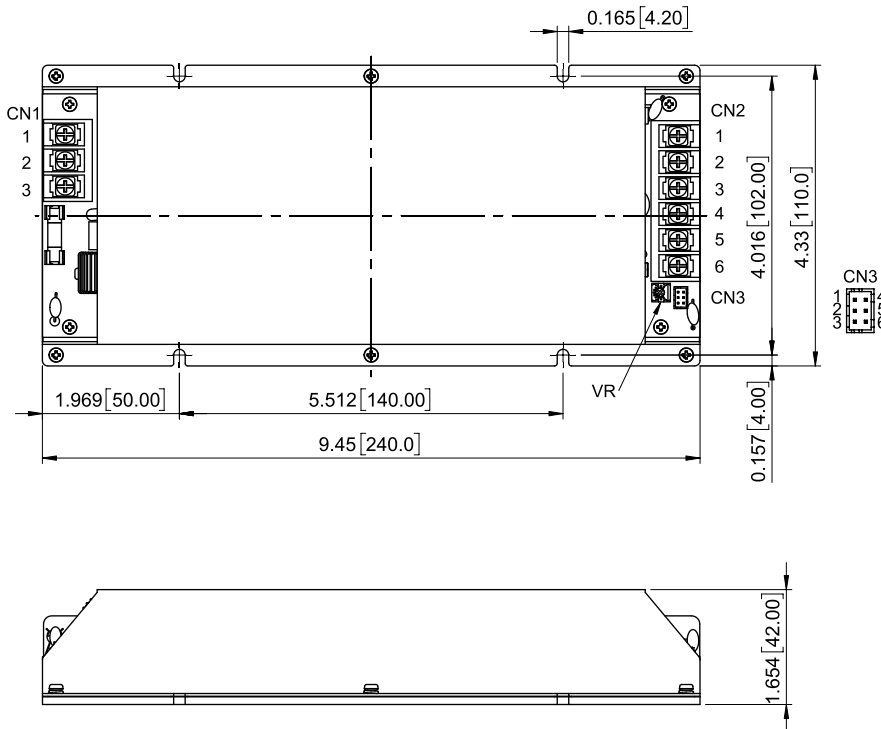
| Pin | Function | Mating Housing                     | Terminal                     |
|-----|----------|------------------------------------|------------------------------|
| 1   | -Vo      | LCU<br>H220G1-2X3<br>or equivalent | LCU<br>T220<br>or equivalent |
| 2   | NC       |                                    |                              |
| 3   | ON/OFF-  |                                    |                              |
| 4   | IOG      |                                    |                              |
| 5   | NC       |                                    |                              |
| 6   | ON/OFF+  |                                    |                              |



# PDF700S(B) CMFC(D/D-P) Series

## MECHANICAL SPECIFICATION

### PDF700B-CMFD-P



All Dimensions in Inches[mm]

Tolerance Inches: x.xx=±0.03, x.xxx=±0.020

Millimeters: x.x=±0.7, x.xx=±0.50

AC Input Connector(CN1) :

DINKLE DT-49-B01W-03 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | FG       | 12~22 AWG         |
| 2   | AC1      |                   |
| 3   | AC2      |                   |

DC Output Connector(CN2) :

DINKLE DT-49-B01W-06 or equivalent

| Pin | Function | Mating Wire Range |
|-----|----------|-------------------|
| 1   | -Vo      | 12~22 AWG         |
| 2   | -Vo      |                   |
| 3   | -Vo      |                   |
| 4   | +Vo      |                   |
| 5   | +Vo      |                   |
| 6   | +Vo      |                   |

DC Output Connector(CN3) :

LCU P220V-2x3 or equivalent

| Pin | Function | Mating Housing                     | Terminal                     |
|-----|----------|------------------------------------|------------------------------|
| 1   | -Vo      | LCU<br>H220G1-2X3<br>or equivalent | LCU<br>T220<br>or equivalent |
| 2   | NC       |                                    |                              |
| 3   | ON/OFF-  |                                    |                              |
| 4   | IOG      |                                    |                              |
| 5   | NC       |                                    |                              |
| 6   | ON/OFF+  |                                    |                              |