



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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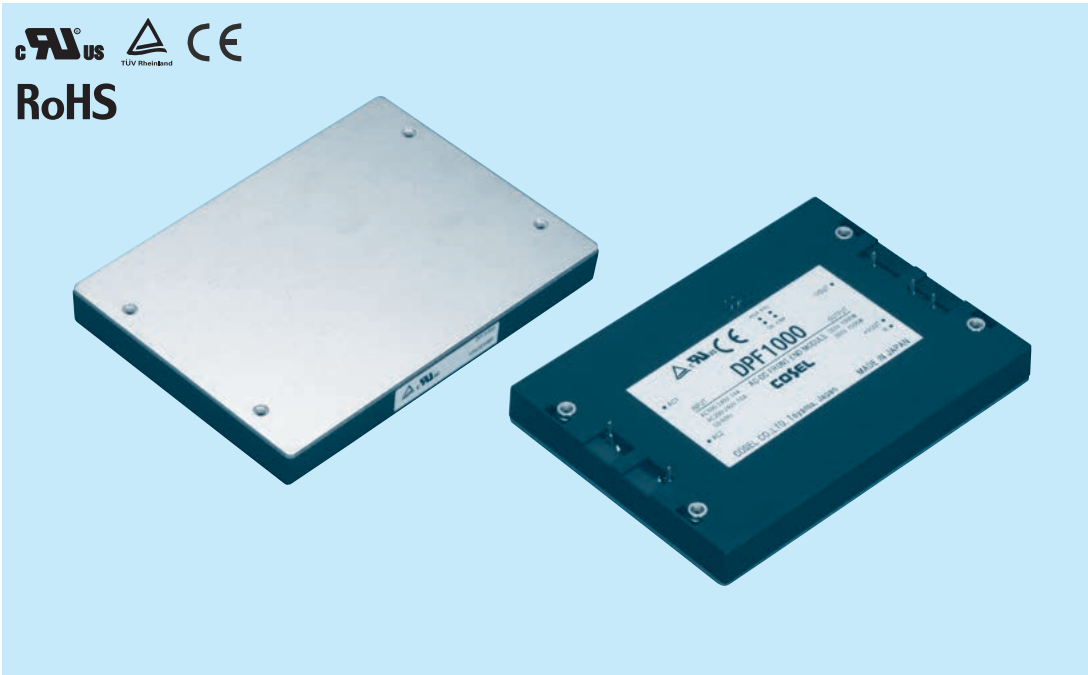
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



DPF1000

DPF 1000

① ②



① Series name
② Output wattage

| | | |
|-----------------------|------------|-------------|
| MODEL | DPF1000 | |
| AC INPUT[V] | AC85 - 264 | AC170 - 264 |
| MAX OUTPUT WATTAGE[W] | 1,000 | 1,500 |
| DC OUTPUT VOLTAGE[V] | DC360 | |

SPECIFICATIONS

| | MODEL | DPF1000 |
|-------------------------------|---------------------------------------|--|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ |
| | POWER FACTOR CORRECTION RANGE[V] | AC85 - 255 1 φ |
| | CURRENT[A] | 11.5typ (ACIN 100V) |
| | FREQUENCY[Hz] | 50/60 (47 - 63) |
| | INRUSH CURRENT[A] | Limited by external resistance |
| | EFFICIENCY[%] | 90typ (ACIN 100V) |
| | POWER FACTOR | 0.98typ (ACIN 100V) |
| | LEAKAGE CURRENT[ma] | 0.75max (60Hz, According to IEC60950 and DEN-AN) |
| OUTPUT | WATTAGE[W] *1 | 1,000 |
| | VOLTAGE[V] *2 | DC360 |
| | VOLTAGE ACCURACY[V] *3 | ±20 |
| PROTECTION CIRCUIT AND OTHERS | OVERVOLTAGE PROTECTION[V] | DC400 - 450 The power factor corrector function stops |
| | IOG | Inverter operation monitoring, Open-collector output, Maximum sink current 10mA, Maximum allowance voltage 35V |
| | ENA | Enable signal, Open-collector output, Maximum sink current 10mA, Maximum allowance voltage 35V |
| | AUX | Auxiliary power supply for external signal, Output voltage:6.5 - 8.5V maximum, Output current:10mA |
| ISOLATION | OTHERS | Parallel operation possible (Current balancing function), N+1 redundant operation possible, Thermal protection |
| | INPUT-OUTPUT | Non isolated |
| ENVIRONMENT | INPUT, OUTPUT-FG | AC3,000V 1minute Cutoff current = 10mA, DC500V, 50MΩmin (20±15°C) |
| | OPERATING TEMP.,HUMID.AND ALTITUDE *4 | -20 to +85°C (Aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |
| | STORAGE TEMP.,HUMID.AND ALTITUDE | -40 to +85°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max |
| | VIBRATION | 10 - 55Hz, 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis |
| SAFETY | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis |
| | AGENCY APPROVALS | UL60950-1, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1 |
| OTHERS | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 *5 |
| | CASE SIZE/WEIGHT | 118.6×12.7×85mm [4.67×0.5×3.35 inches] (W×H×D) /200g max |
| | COOLING METHOD | Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink) |

*1 Refer to Input voltage derating.

*2 When the input voltage is more than 255V, the power factor corrector function stops, and the output voltage becomes rectified AC input voltage.

*3 The value included the output setting and the line regulation, the load regulation and the temperature regulation.

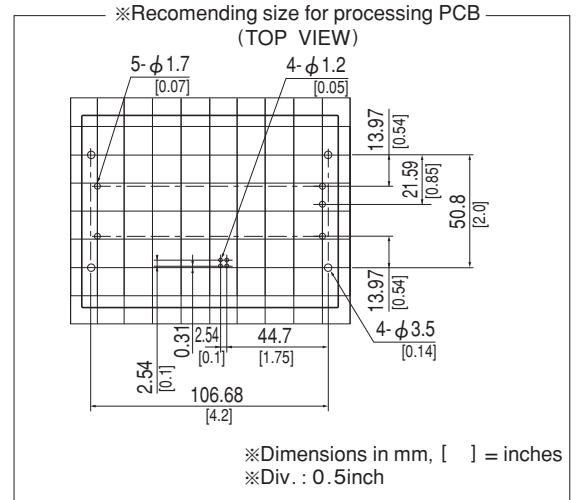
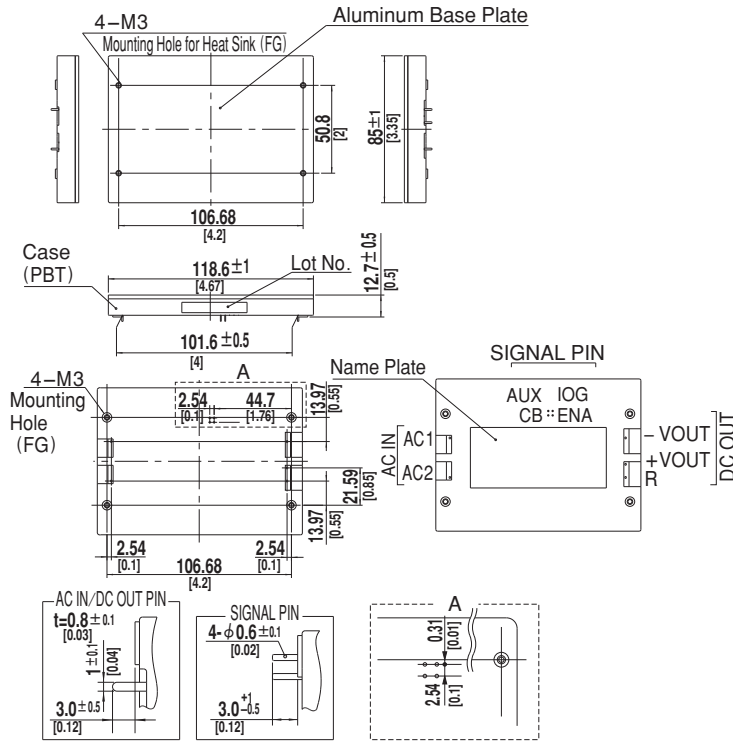
However, the input voltage is in the power factor correction range.

*4 Please consult us in regard to use from -40°C.

*5 Please contact us about class C.

* External components are required. Refer to standard connection method.

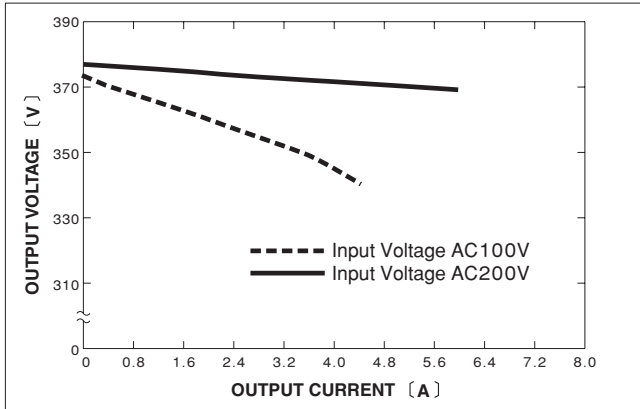
External view



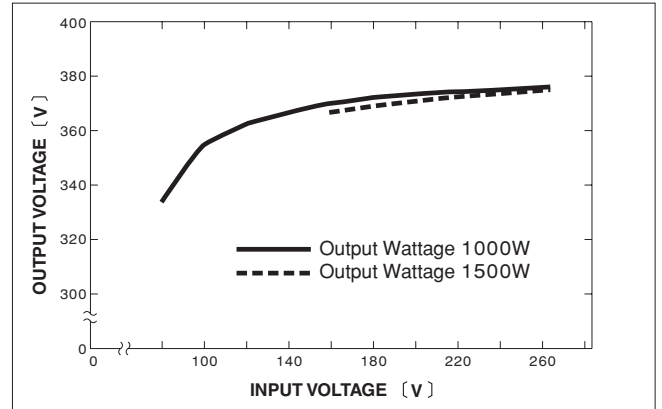
- ※Weight: 200g max
- ※Tolerance: ± 0.3 [± 0.012]
- ※Dimensions in mm, [] = inches
- ※Base Plate: Aluminum
- ※Mounting torque
- Mounting hole screwing torque 0.49N·m (5.0kgf·cm) max

Performance data

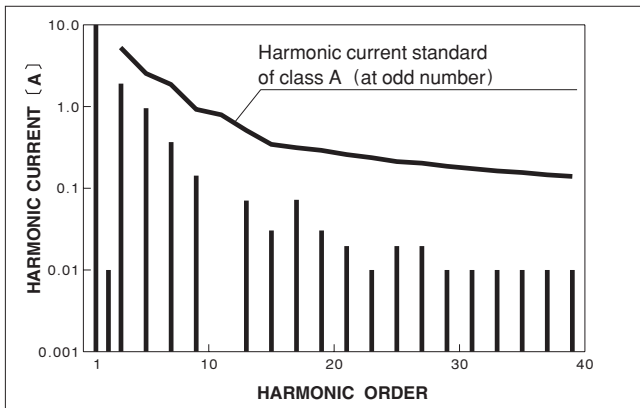
■ STATIC CHARACTERISTICS



■ OUTPUT VOLTAGE FOR INPUT



■ HARMONIC CURRENT (AC100V)



■ HARMONIC CURRENT (AC230V)

