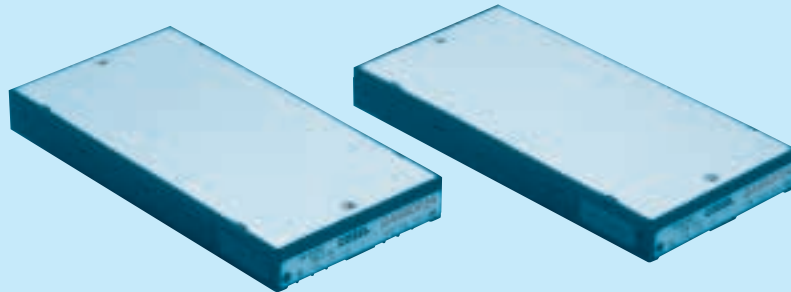


DAS50

① DA ② S ③ 50 ④ ⑤ 05



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
F :DC88 - 370V
48 :DC36 - 72V
- ⑤ Output voltage

| MODEL | DAS50F05 | DAS50F12 | DAS50F24 | DAS504805 | DAS504812 |
|-----------------------|----------|----------|----------|-----------|-----------|
| MAX OUTPUT WATTAGE[W] | 50 | 50.4 | 50.4 | 50 | 50.4 |
| DC OUTPUT | 5V 10A | 12V 4.2A | 24V 2.1A | 5V 10A | 12V 4.2A |

SPECIFICATIONS

| | MODEL | DAS50F05 | DAS50F12 | DAS50F24 | DAS504805 | DAS504812 | |
|------------------------------------|--|--|-------------|----------------------------|---|-----------------------------|--------|
| INPUT | VOLTAGE[V] | DC88 - 370 | | | DC36 - 72 | | |
| | CURRENT[A] | 0.5typ (DCIN 130V, Io=100%) 0.25typ (DCIN 260V, Io=100%) | | | 1.30typ (DCIN 48V, Io=100%) | 1.28typ (DCIN 48V, Io=100%) | |
| | EFFICIENCY[%] | 82typ | 82typ | 82typ | 80typ | 82typ | |
| | LEAKAGE CURRENT[mA] | 0.3max (By UL, CSA, VDE and DEN-AN) | | | | | |
| OUTPUT | VOLTAGE[V] | 5 | 12 | 24 | 5 | 12 | |
| | CURRENT[A] | 10 | 4.2 | 2.1 | 10 | 4.2 | |
| | LINE REGULATION[mV] | 20max | 48max | 96max | 20max | 48max | |
| | LOAD REGULATION[mV] | 40max | 100max | 150max | 40max | 100max | |
| | RIPPLE[mVp-p] | 0 to +85°C *1 | 80max | 120max | 120max | 80max | 120max |
| | | -10 - 0°C *1 | 140max | 160max | 160max | 140max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +85°C *1 | 150max | 200max | 200max | 150max | 200max |
| | | -10 - 0°C *1 | 190max | 230max | 230max | 190max | 230max |
| | TEMPERATURE REGULATION[mV] | 0 to +85°C | 85max | 204max | 408max | 85max | 210max |
| | | -10 to +85°C | 95max | 228max | 456max | 95max | 230max |
| DRIFT[mV] | *2 | 20max | 48max | 96max | 20max | 48max | |
| START-UP TIME[ms] | 200max (DCIN 88V, Io=100%) | | | 200max (DCIN 36V, Io=100%) | | | |
| OUTPUT VOLTAGE ADJUSTMENT RANGE[V] | Fixed (TRM pin open) ± 10% adjustable by external VR | | | | | | |
| OUTPUT VOLTAGE SETTING[V] | 4.85 - 5.35 | 11.4 - 12.6 | 22.8 - 25.2 | 4.85 - 5.35 | 11.4 - 12.6 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | | | |
| | OVERVOLTAGE PROTECTION | Works at 115 - 140% of rating | | | | | |
| | REMOTE SENSING | Provided | | | | | |
| | REMOTE ON/OFF | Between RC and -side of input:short - 1.2V . . . output ON, 2.4 - 5.5V(or open) . . . output OFF, Compatible TTL | | | | | |
| ISOLATION | INPUT-OUTPUT | AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature) | | |
| | INPUT-FG | AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature) | | |
| | OUTPUT-FG | AC500V 1minute, Cutoff current = 100mA max, DC500V 50MΩ min (At Room Temperature) | | | | | |
| ENVIRONMENT | OPERATING TEMP.,HUMID.AND ALTITUDE | -10 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 | | | | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | | | | |
| SAFETY | AGENCY APPROVALS | UL60950-1, EN60950-1, CSA C22.2 No.60950-1 Complies with DEN-AN | | | Complies with UL60950-1, CSA C22.2 No.60950-1 and EN60950-1 | | |
| OTHERS | CASE SIZE/WEIGHT | 58 × 12.7 × 115mm (W × H × D) / 120g max | | | | | |
| | COOLING METHOD | Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink) | | | | | |

*1 Measured by attaching the electrolytic capacitor of 220 μF at output.

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

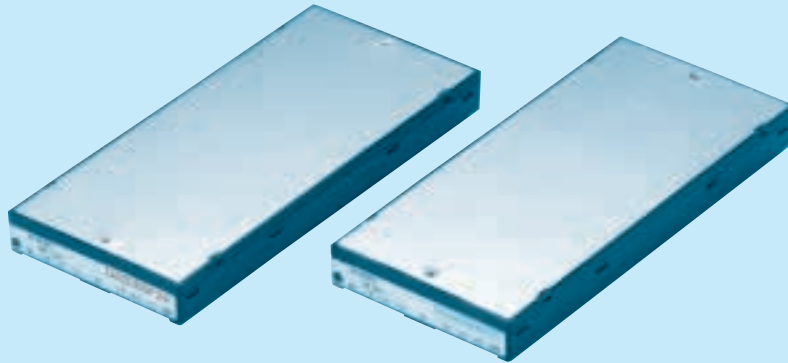
* Parallel operation with other model is not possible.

DAS100

① **DA** ② **S** ③ **100** ④ ⑤ **05**



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
F : DC88 - 370V
48 : DC36 - 72V
- ⑤ Output voltage



| MODEL | DAS100F05 | DAS100F12 | DAS100F24 | DAS1004805 | DAS1004812 |
|-----------------------|-----------|-----------|-----------|------------|------------|
| MAX OUTPUT WATTAGE[W] | 100 | 102 | 100.8 | 100 | 102 |
| DC OUTPUT | 5V 20A | 12V 8.5A | 24V 4.2A | 5V 20A | 12V 8.5A |

SPECIFICATIONS

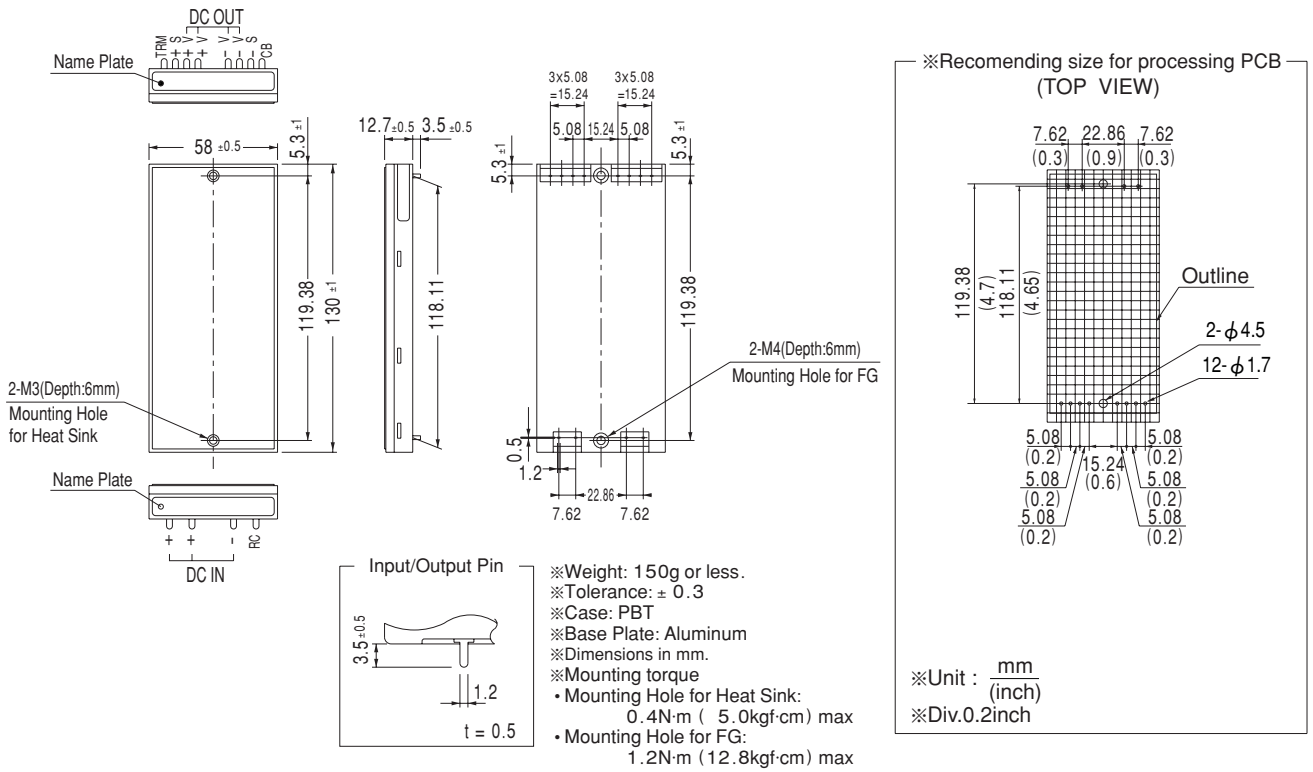
| | MODEL | DAS100F05 | DAS100F12 | DAS100F24 | DAS1004805 | DAS1004812 | |
|------------------------------------|--|--|-------------|---|---|--|--------|
| INPUT | VOLTAGE[V] | DC88 - 370 | | | DC36 - 72 | | |
| | CURRENT[A] | 1.0typ (DCIN 130V, I _o =100%) 0.5typ (DCIN 260V, I _o =100%) | | | 2.60typ (DCIN 48V, I _o =100%) | 2.59typ (DCIN 48V, I _o =100%) | |
| | EFFICIENCY[%] | 82typ | 82typ | 82typ | 80typ | 82typ | |
| | LEAKAGE CURRENT[ma] | 0.3max (By UL, CSA, VDE and DEN-AN) | | | | | |
| OUTPUT | VOLTAGE[V] | 5 | 12 | 24 | 5 | 12 | |
| | CURRENT[A] | 20 | 8.5 | 4.2 | 20 | 8.5 | |
| | LINE REGULATION[mV] | 20max | 48max | 96max | 20max | 48max | |
| | LOAD REGULATION[mV] | 40max | 100max | 150max | 40max | 100max | |
| | RIPPLE[mVp-p] | 0 to +85°C *1 | 80max | 120max | 120max | 80max | 120max |
| | | -10 - 0°C *1 | 140max | 160max | 160max | 140max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +85°C *1 | 150max | 200max | 200max | 150max | 200max |
| | | -10 - 0°C *1 | 190max | 230max | 230max | 190max | 230max |
| | TEMPERATURE REGULATION[mV] | 0 to +85°C | 85max | 204max | 408max | 85max | 210max |
| | | -10 to +85°C | 95max | 228max | 456max | 95max | 230max |
| DRIFT[mV] | *2 | 20max | 48max | 96max | 20max | 48max | |
| START-UP TIME[ms] | 200max (DCIN 88V, I _o =100%) | | | 200max (DCIN 36V, I _o =100%) | | | |
| OUTPUT VOLTAGE ADJUSTMENT RANGE[V] | Fixed (TRM pin open) ± 10% adjustable by external VR | | | | | | |
| OUTPUT VOLTAGE SETTING[V] | 4.85 - 5.35 | 11.4 - 12.6 | 22.8 - 25.2 | 4.85 - 5.35 | 11.4 - 12.6 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | | | |
| | OVERVOLTAGE PROTECTION | Works at 115 - 140% of rating | | | | | |
| | REMOTE SENSING | Provided | | | | | |
| | REMOTE ON/OFF | Between RC and -side of input:short - 1.2V . . . output ON, 2.4 - 5.5V(or open) . . . output OFF, Compatible TTL | | | | | |
| ISOLATION | INPUT-OUTPUT | AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature) | | |
| | INPUT-FG | AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature) | | |
| | OUTPUT-FG | AC500V 1minute, Cutoff current = 100mA max, DC500V 50MΩ min (At Room Temperature) | | | | | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -10 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 | | | | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | | | | |
| SAFETY | AGENCY APPROVALS | UL60950-1, EN60950-1, CSA C22.2 No.60950-1 Complies with DEN-AN | | | Complies with UL60950-1, CSA C22.2 No.60950-1 and EN60950-1 | | |
| OTHERS | CASE SIZE/WEIGHT | 58 × 12.7 × 130mm (W × H × D) / 150g max | | | | | |
| | COOLING METHOD | Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink) | | | | | |

*1 Measured by attaching the electrolytic capacitor of 220 μF at output.

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

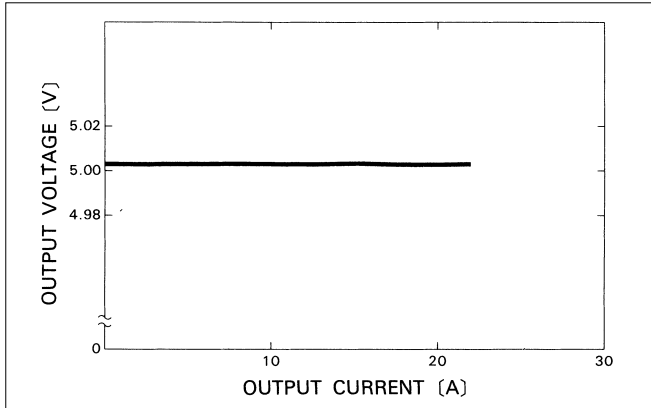
* Parallel operation with other model is not possible.

External view

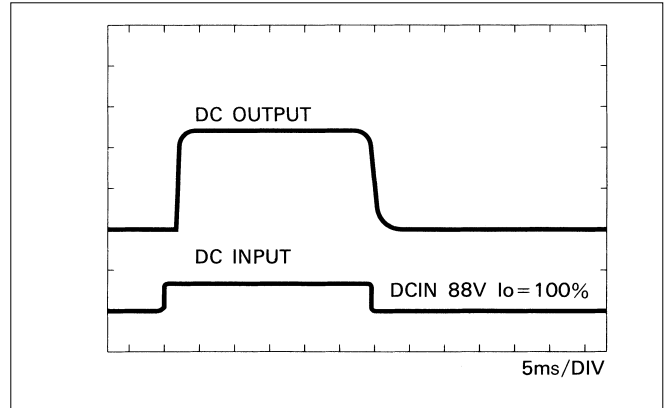


Performance data

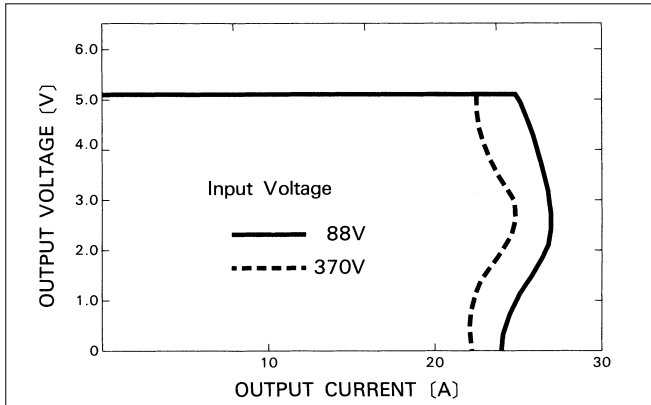
■STATIC CHARACTERISTICS (DAS100F05)



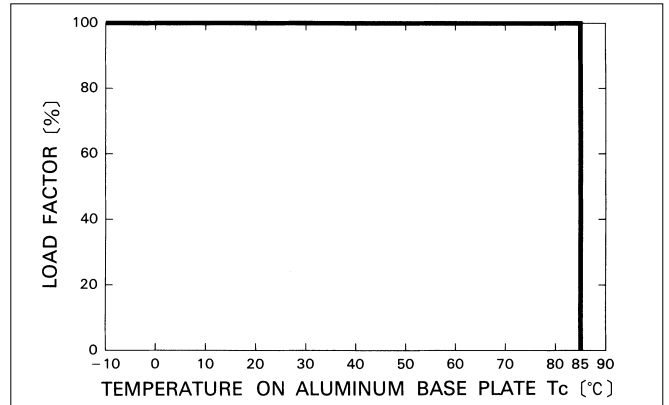
■RISE TIME & FALL TIME (DAS100F05)



■OVERCURRENT CHARACTERISTICS (DAS100F05)



■DERATING CURVE



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[DAS50F12](#) [DAS100F05](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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