

High Peak Load Switch Mode Power Supplies With Current Resonant Switching

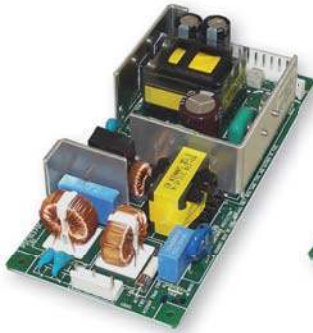
Basic Units



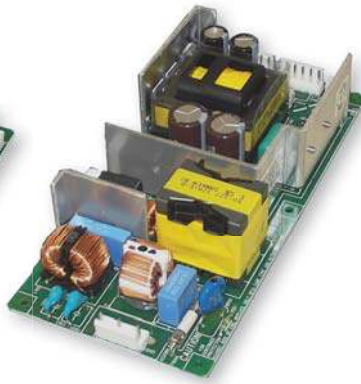
SWF050P-24
50 W



SWF100P-24
100 W



SWF150P-24
150 W



SWF240P-24
240 W

The SWF series are compact, wide ranging power supplies, providing peak power capability that supports twice the rated output, making them ideal for motorized applications. They offer low noise and high efficiency by current resonant circuitry.

Features and Benefits

- Supports peak loading up to 2 times rated current (10 s max.)
- World wide input (85 to 264 VAC)
- High efficiency and low noise via current switching technology
- CE marking for Low Voltage Differential
- Conductive emission class B (VCCI class B, FCC class B, EN55022 class B)
- Safety standards: UL60950-1, C-UL (CSA60950-1), SEMKO (EN60950-1)
- Options: remote on/off control, chassis, and cover; terminal stand for SWF240P

Applications

- Solenoid / motor driver applications for general industrial and commercial equipment

Optional Configurations



L Chassis



Chassis and Cover



Specifications

| | SWF050P-24 | SWF100P-24 | SWF150P-24 | SWF240P-24 |
|--------------------------|-----------------|-----------------|---------------|---------------|
| Rated Output Power | 50 W | 100 W | 150 W | 240 W |
| Peak Current (10 s max.) | 4.2 A | 8.4 A | 12.6 A | 20 A |
| Rated Output Current | 2.1 A | 4.2 A | 6.3 A | 10 A |
| Rated Output Voltage | 24 V | | | |
| Dimensions (mm) | 50 × 28.5 × 132 | 62 × 33.5 × 155 | 75 × 37 × 160 | 84 × 42 × 180 |

Important Information



- The products described in this document are built-in type DC stabilized power supplies with special structures and are designed for installation in equipment. Be sure to use the products only for installation in equipment.
- The products should be handled only by persons who have competent electrical knowledge.
- Be sure to read through all safety precaution and operation manuals before installation, operation, or maintenance and to use the products only for the intended use and in accordance with all applicable safety standards and regulations in the location of use.

Sanken reserves the right to make, from time to time, such departures from the detail specifications as may be required to permit improvements in the performance, reliability, or manufacturability of its products. Therefore, the user is cautioned to verify that the information in this publication is current before placing any order.

When using the products described herein, the applicability and suitability of such products for the intended purpose shall be reviewed at the users' responsibility.

Although Sanken undertakes to enhance the quality and reliability of its products, the occurrence of failure and defect of semiconductor products at a certain rate is inevitable.

Users of Sanken products are requested to take, at their own risk, preventative measures including safety design of the equipment or systems against any possible injury, death, fires or damages to society due to device failure or malfunction.

Sanken products listed in this publication are designed and intended for use as components in general-purpose electronic equipment or apparatus (home appliances, office equipment, telecommunication equipment, measuring equipment, etc.). Their use in any application requiring radiation hardness assurance (e.g., aerospace equipment) is not supported.

When considering the use of Sanken products in applications where higher reliability is required (transportation equipment and its control systems or equipment, fire- or burglar-alarm systems, various safety devices, etc.), contact a company sales representative to discuss and obtain written confirmation of your specifications.

The use of Sanken products without the written consent of Sanken in applications where extremely high reliability is required (aerospace equipment, nuclear power-control stations, life-support systems, etc.) is strictly prohibited.

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