

Switching Transformer

Switch mode power transformers (and supplies) get their name from the switching action needed to sustain transformer operation. By controlling the amount of on time and off time of the switches, one can also control the amount of power delivered to the transformer's load (or load circuit). The voltage can be fed to the switch mode power transformer in voltage pulses. The pulse duration is a portion of an overall cycle time. The cycle time is equal to the inverse of the operating frequency. The terms duty cycle and pulse width modulation arise from the control of the switching on time and off time.



Specifications

Standard Compliance

- ✓ IEC 60076
- ✓ EN 61558

Primary/Secondary Voltage Range

- ✓ Up to 1000V

Winding Material

- ✓ Aluminium Foil
- ✓ Copper Foil
- ✓ Enameled/Nomex insulation Aluminium Wire
- ✓ Enameled/Nomex insulation Copper Wire

Silicon Steel

- ✓ Non Grained Oriented Silicon Steel (NGO)
- ✓ Grained Oriented Silicon Steel (GO)

Varnish

- ✓ High grade polyester varnish

Insulation Class

- ✓ Based on IEC 60085 Insulation Thermal Class
- ✓ Class Y (90°)
- ✓ Class A (105°)
- ✓ Class E (120°)
- ✓ Class B (130°)
- ✓ Class F (155°)
- ✓ Class H (180°)
- ✓ Class N (200°)

Cooling

- ✓ Air Natural Cooling (AN)
- ✓ Air Force Cooling (AF)

Ambient Temperature

- ✓ Maximum ambient temperature 40°C
- ✓ Up on customer request

Metal Enclosure Protection Class

- ✓ Standard enclosure IP20
- ✓ Up to enclosure IP43

Certifications

- ✓ CE

Capacity

- ✓ Up to 5KVA
- ✓ Can request for higher capacity



Product Enquiry

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Catalog

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