

New Product: Ultra High Voltage Automotive Transformer 'VEP1313V'

SAGAMI ELEC CO., LTD. is pleased to introduce our newly developed product '[VEP1313V](#)' (W14.3mm×D14.1mm×H14.5mm) high voltage automotive transformer.

This product is designed for withstand voltage AC4000V.

By changing the material, it is now possible to achieve sufficient creepage distance for the withstand voltage while reducing the overall size of the product.

We can also provide winding specifications to meet the appropriate conditions for each customer's specifications, allowing us to respond flexibly to the recent needs for higher voltage in the EV market.

We will continue to expand our product lineup to meet worldwide market needs and provide a wide variety of solutions!

Applications

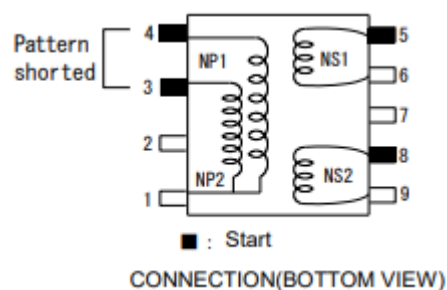
Power supplies for power control units for HEV/EV, Isolated power supplies for automotive use, PoE-compatible equipment

Features

- Ultra high withstand voltage up to 4000Vrms AC

- CTI LV.1
- Optimal transformer design according to your requirements
- Capable of handling multiple outputs
- AEC-Q200 compliant
- Operating Temperature Range: -40°C to +150°C (including self-heating)

Electrical Characteristics



Turns ratio	NP1:NP2:NS1:NS2=1:1:2.8:0.9
Inductance	4-1 // 3-1 8.0uH typ. 5-6 63uH typ. 8-9 6.7uH typ.
DCR	4-1 // 3-1 30mΩ typ.
Leakage inductance	4-1 // 3-1 0.135uH typ.(5-6-7-8-9 short)

Product Details

<https://www.sagami-elec.co.jp/en/product/detail.php?type=VEP1313V>

Contact

For inquiries about this product (including quotations and sample requests), please contact us using [the inquiry form](#).