
New Product: DC/DC Converter Transformer for Automotive 'VER9012V'

SAGAMI ELEC CO., LTD. is pleased to announce the development of the DC/DC Converter Transformer for Automotive Equipment '[VER9012V](#)' (W10.0mm×D14.8mm×H12.5mm) with sample availability starting from May 2025.

The [VER9012V](#) delivers ultra-high dielectric strength of AC 4000 Vrms and achieves high inductance, all while maintaining a compact footprint of approximately 10 mm × 15 mm.

With its taller design, the [VER9012V](#) provides about five times the inductance of the comparable [VER9060 series](#), without increasing DCR. This makes it an ideal solution for applications requiring stable output voltage and minimal ripple.

Sagami Elec will continue to expand its product lineup to meet diverse market requirements, offering a wide range of innovative solutions.

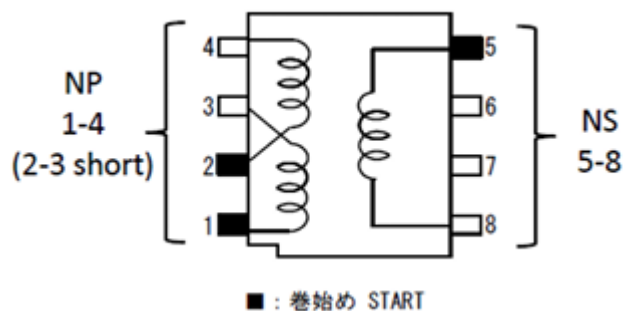
Applications

Power supplies for HEV/EV power control units, Automotive isolated power supplies.

Features

- Ultra high withstand voltage: ~4000 Vrms/1min
- Operating Voltage 1000 Vrms ※(JIS C 60664 / IEC60665Compliant)
- High L-value, with compact mounting area
- Customizable transformer design to meet specific requirements
- Operating temperature: -40°C~+150°C (Including self-heating)
- AEC-Q200 compliant

Characteristic example



| | |
|-------------|-------------|
| Turns ratio | NP:NS=1:1.5 |
| Inductance | NP 135μH |
| | NS 310μH |
| DCR | NP 1.11Ω |
| | NS 2.35Ω |

Inductance measurement frequency : 1kHz, 1V

Product Details

<https://www.sagami-elec.co.jp/en/product/detail.php?type=VER9012V>

Contact

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