

New Product: Small size·High current type

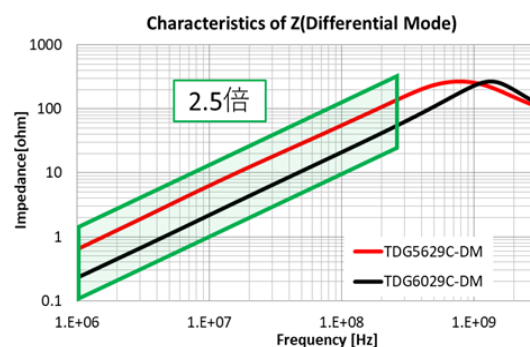
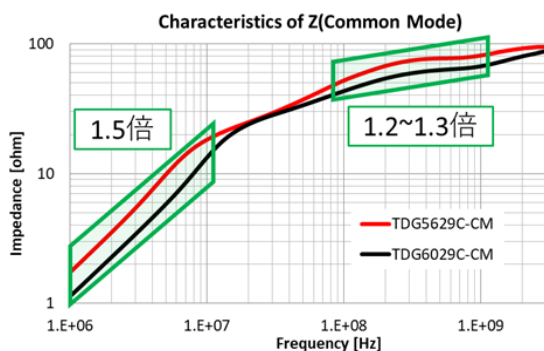
Common Mode Chokes 'TDG5629C'.



SAGAMI ELEC CO., LTD. has released high-current common-mode inductor for Automotive applications: '[TDG5629](#)' (W5.6mm×D9.0mm×H3.3mm). The samples are available starting July 2024.

The '[TDG5629](#)' is an AEC-Q200 compliant product with significantly improved characteristics as a noise filter by reviewing the core shape and manufacturing process based on the existing '[TDG6029C](#)'. The common mode impedance of '[TDG5629](#)' is 1.5 times higher than the existing product, and the differential mode impedance is 2.5 times higher, demonstrating exceptional noise filter characteristics.

The typical applications of '[TDG5629](#)' include not only various types of power supplies, but also insertion into audio speaker outputs without deteriorating the distortion factor, unlike filter elements with saturation magnetization such as ferrite beads.



※The above graphs are based on representative values for each type and do not represent specific values.

In recent years, the importance of assuring EMC has been increasing as vehicles become more sophisticated. SAGAMI ELEC will continue to expand our product lineup to meet the various needs of our customers.

Applications

Car Audio, LED Headlights

Features

- Common mode inductor for large current.
- High impedance at 100M to 3GHz.
- AEC-Q200 compliant.
- Operating temperature: -40°C to +150°C (including self-heating)

Specifications

Impedance (Ω)	DCR max. (m Ω)	Temperature rise allowable current (A)
100MHz at 0.1V	Max.	Typ.
52 \pm 30%	0.790	19.1

Product Details

<https://www.sagami-elec.co.jp/en/product/detail.php?type=TDG5629C>

Contact

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