

Fixed Inductor for Digital Amp. (Class-D)

7G23G

■ Features

- Fixed inductor for LPF of Digital Amplifier (Class-D)
- Realize high-quality sound by the oxygen free copper (OFC) wire
- Shielded structure with low leakage flux, low DC resistance and high current spec compared to toroidal coil
- Operating Temperature Range: -40~+105?
(including self-heating)
- RoHS compliance

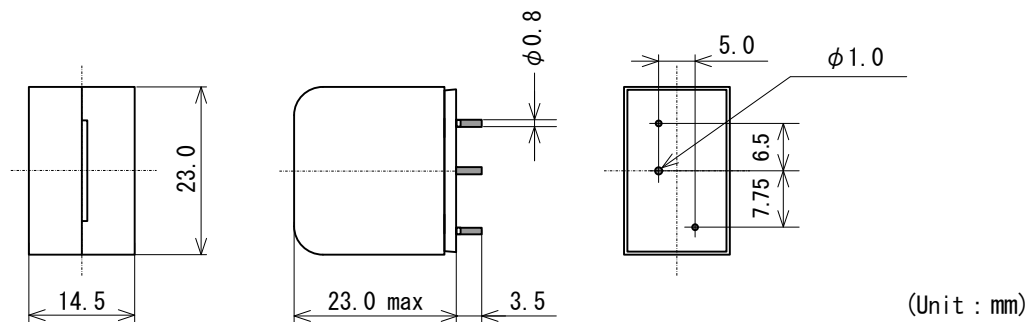


Weight: 26g

■ Application

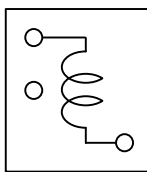
- Integrated amplifier, AV amplifier, commercial amplifier, etc.

■ Dimensions



■ Connection

(Bottom view)



■ Magnetic structure



■ Specifications

Part No.	Inductance (μ H)	DCR Resistance ($m\Omega$) max.	DC saturation allowable current (A)	Temperature rise allowable current (A)
7G23G-100M	10 \pm 20%	20.1	45.0	5.8
7G23G-150M	15 \pm 20%	18.6	24.0	6.7
7G23G-200M	20 \pm 20%	20.1	21.0	5.8

* Inductance Measuring Condition : 100kHz, 1V

* Rated current : DC saturation allowable current or Temperature rise allowable current, whichever is smaller.

1. DC Saturation Allowable Current : value of inductance decrease within 25% .

2. Temperature Rise Allowable Current : A rise in temperature of core surface is within 40°C.

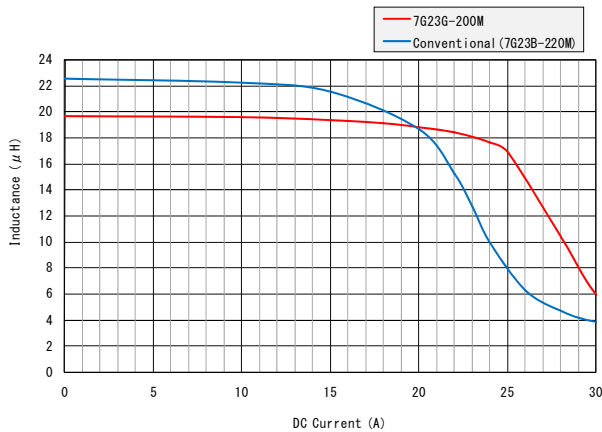
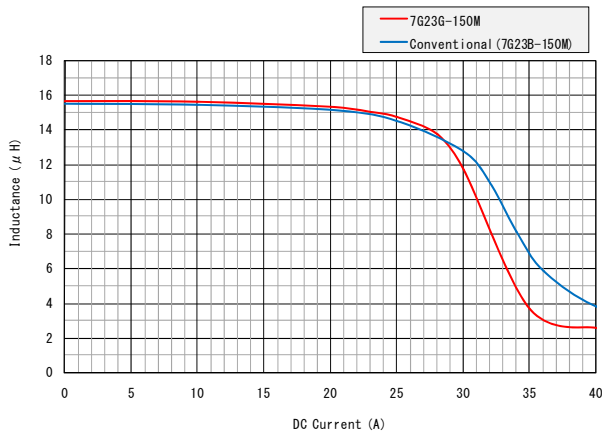
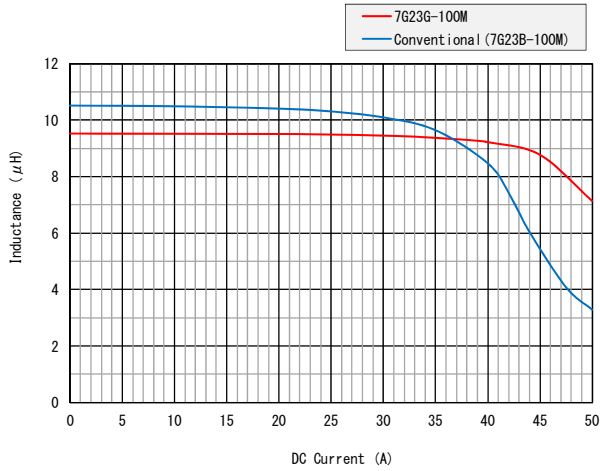


SAGAMI ELEC CO., LTD.
http://www.sagami-elec.co.jp

10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
Engineering Dept. TEL : +81 45 521 4543, E-mail : tech@sagami-elec.co.jp

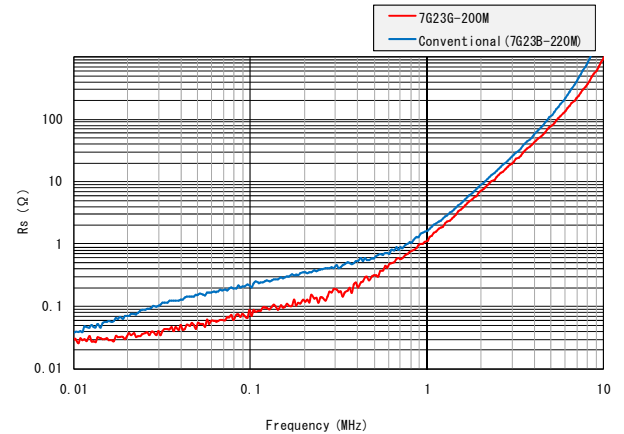
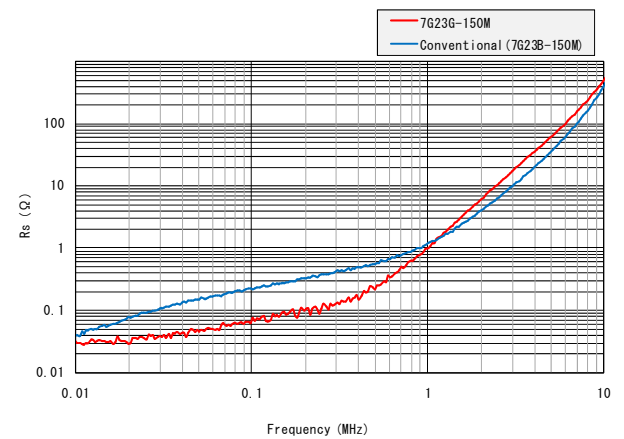
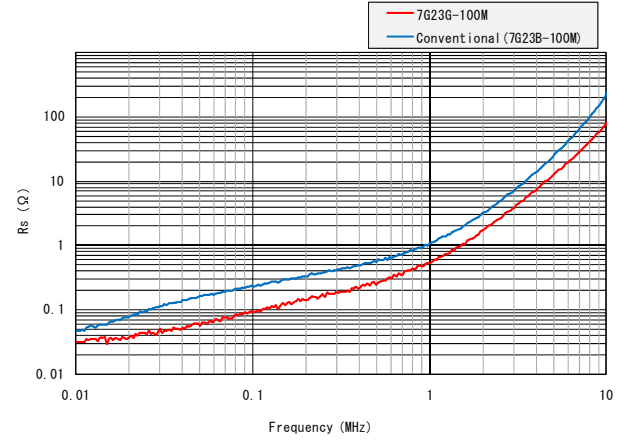
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Characteristics of DC Saturation Current



Rs characteristic

(Rs:Equivalent series resistance)



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10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
 Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
 Engineering Dept. TEL : +81 45 521 4543, E-mail : tech@sagami-elec.co.jp