

DER7052

AEC-Q200



■ Features

- Suitable for TV as small size inductor for Class-D amplifire
- Ideal for flat TVs(LCD), home audio device, and a variety of electronic device
- Low radiation nose by magnetically shielded construction
- Realized high current, low registance and high quality sound
- AEC-Q200 compliant
- Operating temperature : -40°C~+125°C(The self-heating is included)

Magnetic structure :

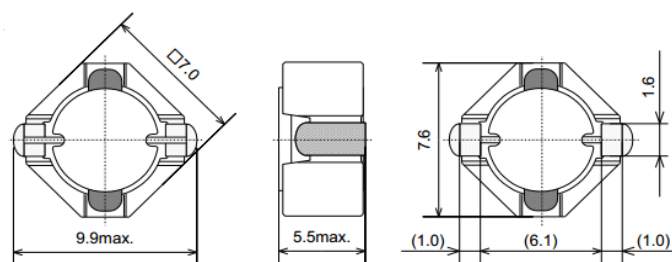


Weight : 0.91 g

■ Applications

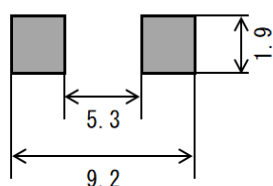
- Audio Visual/Mini System, AV Amplifier, for Professionals,TV and Monitor
- Automotive/Car Audio,Car Navigation
- Home Electronics/Games
- Others/Power Supply

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



SAGAMI ELEC CO., LTD.
<https://www.sagami-elec.co.jp>

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⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR (m Ω)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
DER7052-7R5N	7.5 $\pm$ 30%	33.0	25.0	3.40	3.00
DER7052-100M	10 $\pm$ 20%	48.0	37.0	3.20	2.40
DER7052-120M	12 $\pm$ 20%	54.0	42.0	2.90	2.20
DER7052-150M	15 $\pm$ 20%	75.0	57.0	2.50	1.80
DER7052-220M	22 $\pm$ 20%	130.0	100.0	2.10	1.40

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease within 25% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is within 40℃



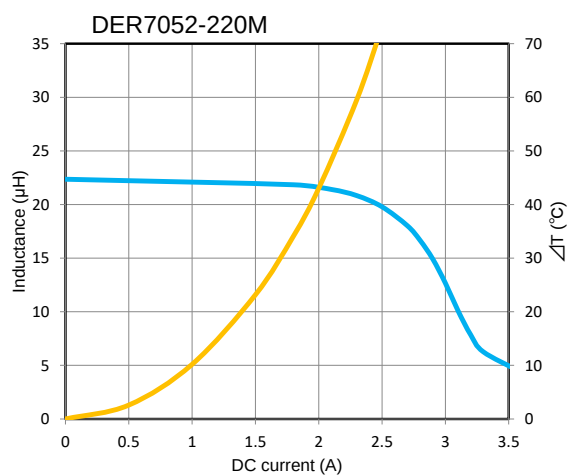
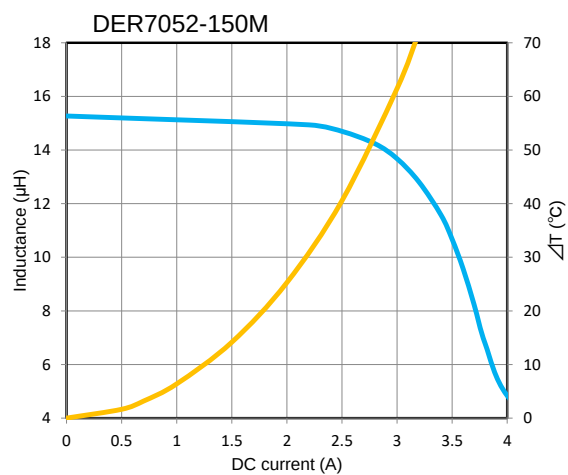
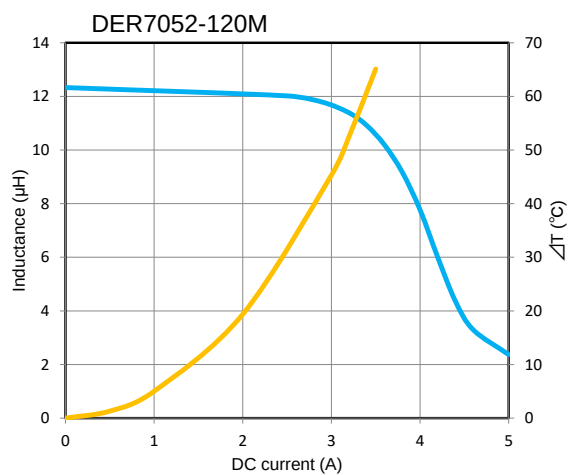
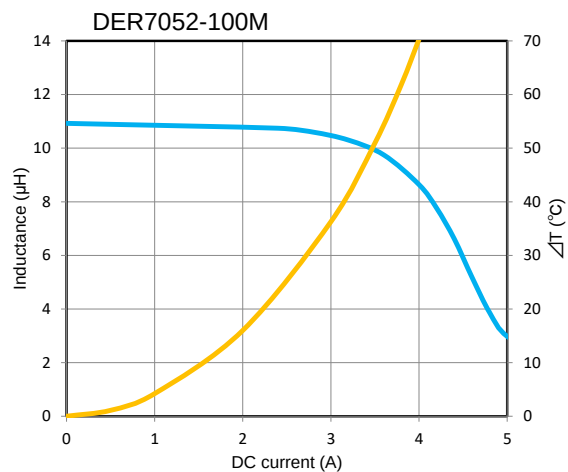
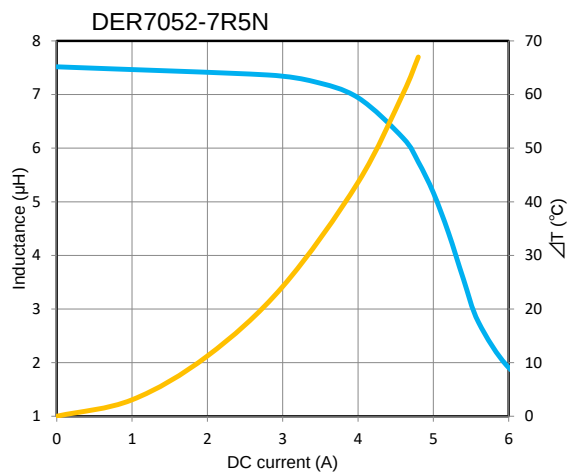
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DC bias characteristics vs Temperature Rise Graph

■ L(25°C) ■ ΔT



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