

Inductors for decoupling circuits

Upgrade from Molded type inductor

Further cost reduction !



POINT.1

Higher
current

x2
about

POINT.2

Lower
resistance

-53%
about

POINT.3

**Cost
reduction**

LCQPB Series Release Information

TAIYO YUDEN

Wire-Wound Ferrite type inductors for decoupling circuits

**LCQPB series Achieves high reliability
suitable for Automotive use**

Product

AEC Q-200



LCQPB Series

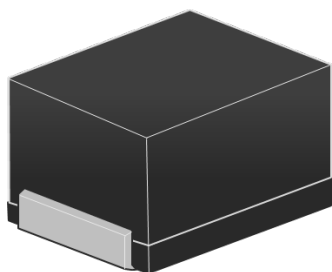
Case Size 3.2×1.9×1.95(mm)

Development Schedule

L×W (mm)	Height (mm)	MP status	Satisfaction
3.2 × 1.9	1.95	MP	Low cost · Low DCR · High Current

Has advantages over similar size molded type

Molded type



Case Size $3.2 \times 2.5 \times 2.2$ (mm)
Isat (max) 0.85 A / Rdc (max) 130 mΩ
Inductance: 1μH

VS

LCQPB Series



Case Size $3.2 \times 1.9 \times 1.95$ (mm)
Isat (max) 1.7 A / Rdc (max) 66 mΩ
Inductance: 1μH

AEC Q-200 ✓

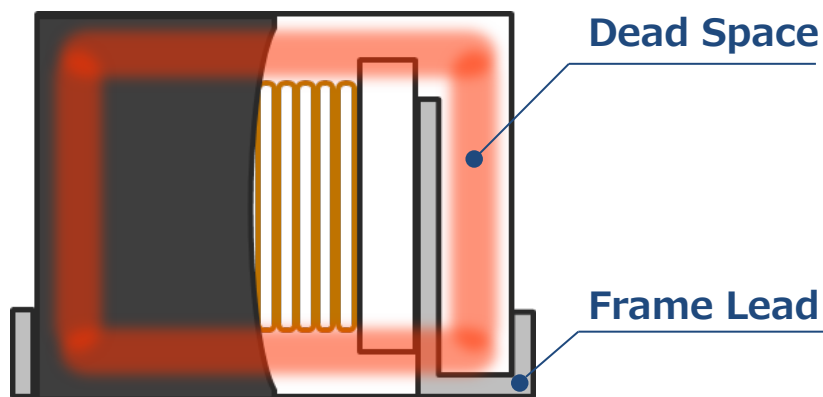
Cost reduction ✓

High-spec ✓

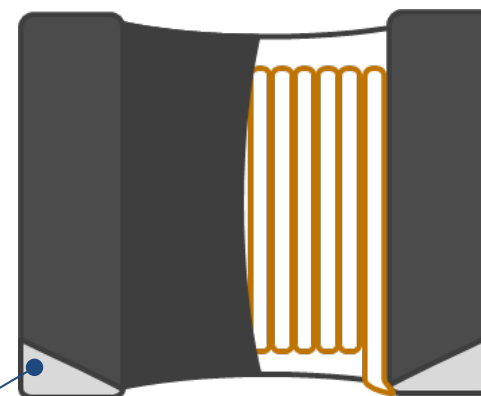
➡ Can be replaced with the same land pattern

Secrets of cost cutting

Molded type



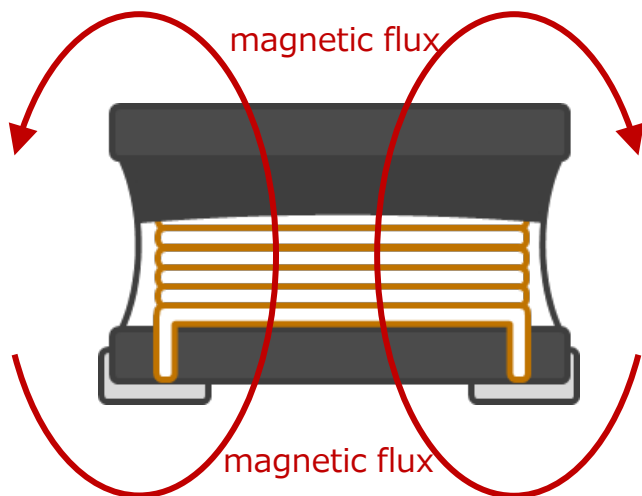
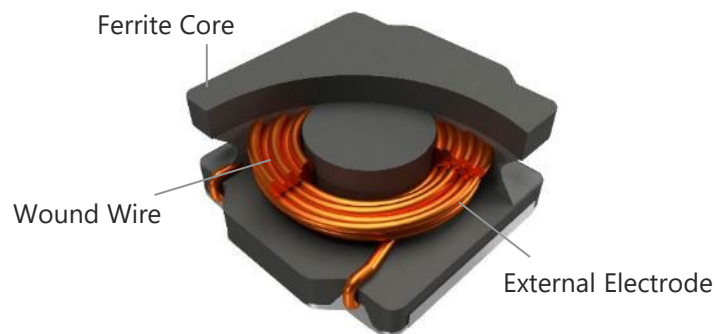
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➡ Reducing unnecessary parts for high efficiency

EMI countermeasure by different winding directions

Landscape type



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