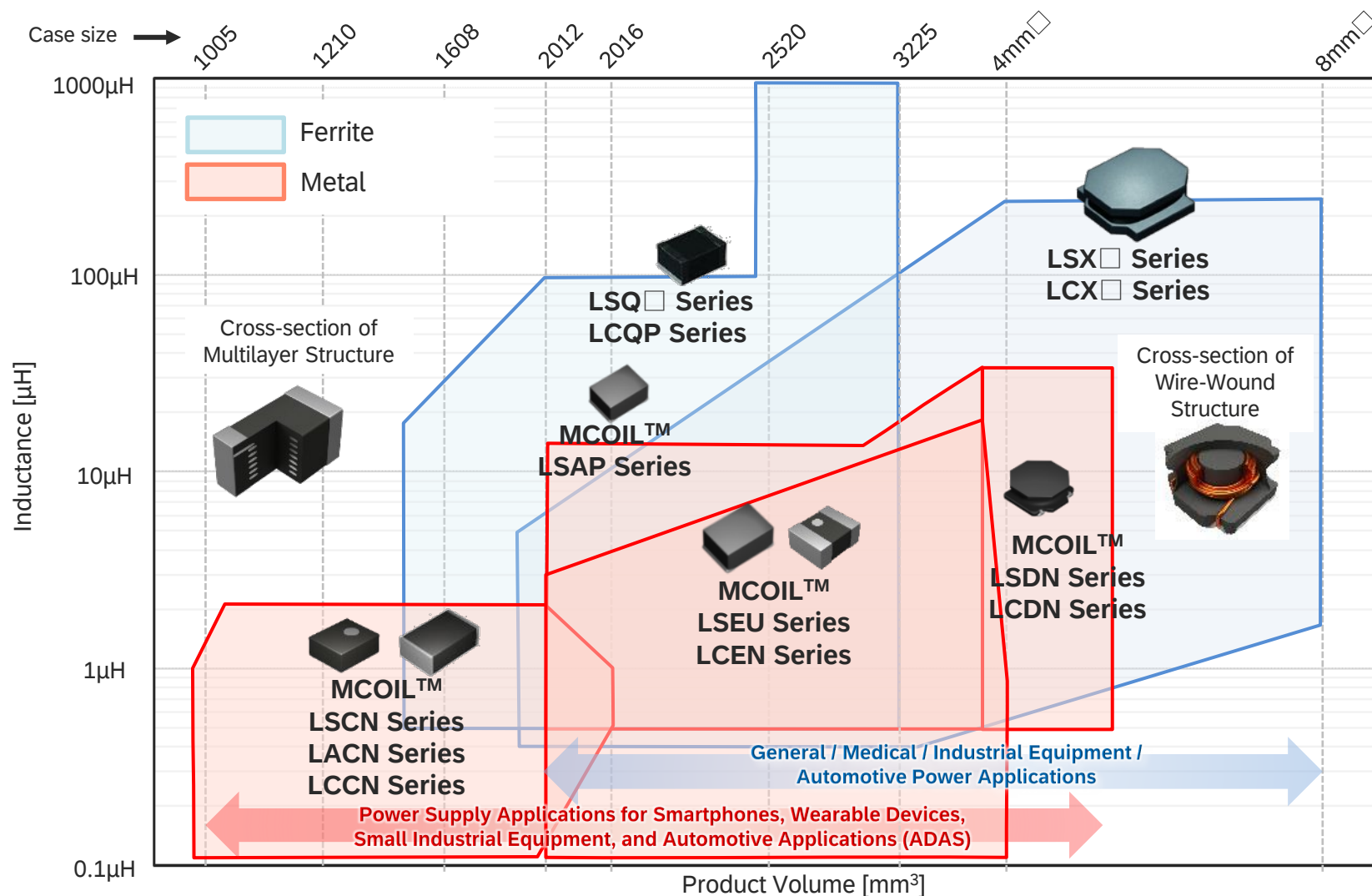
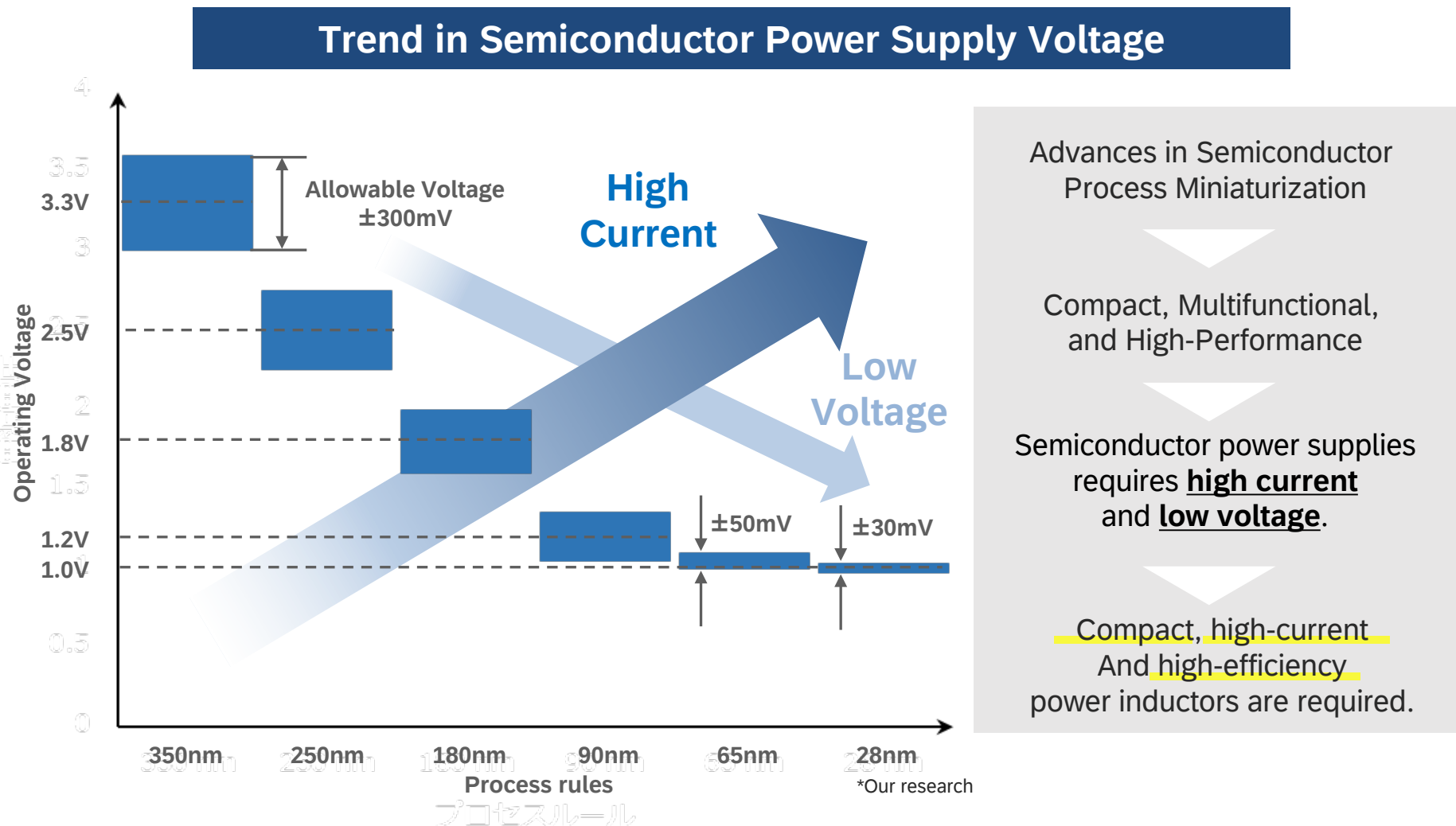


Targeting multiple markets, from Consumer to High-Reliability Automotive and Industrial Equipment, with optimized materials and structures (Wire-Wound or Multilayer).





Issues

High-Performance, Compact Electronic Devices.
Power Inductors $\Rightarrow$ Small Size, High Current, and High Efficiency

Challenges

Small Size

Insufficient inductance or saturation current.

High Current

Larger case sizes require changes to the land pattern.

High efficiency

Lower losses require a larger size.

Solution

Replace with TAIYO YUDEN's power inductors that meet the latest device trends!

Small Size

High Current

Low DCR

Low Core Loss

MCOIL™ Strategy

Compact
Case Size

High
Current

Low
DCR

Low Core
Loss

Material

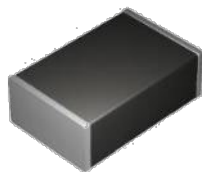
Process

Structure

Metal Power Inductors

MCOIL™ Series

Multilayer Type



L□CN Series



Wire-Wound Type

L□E□ Series

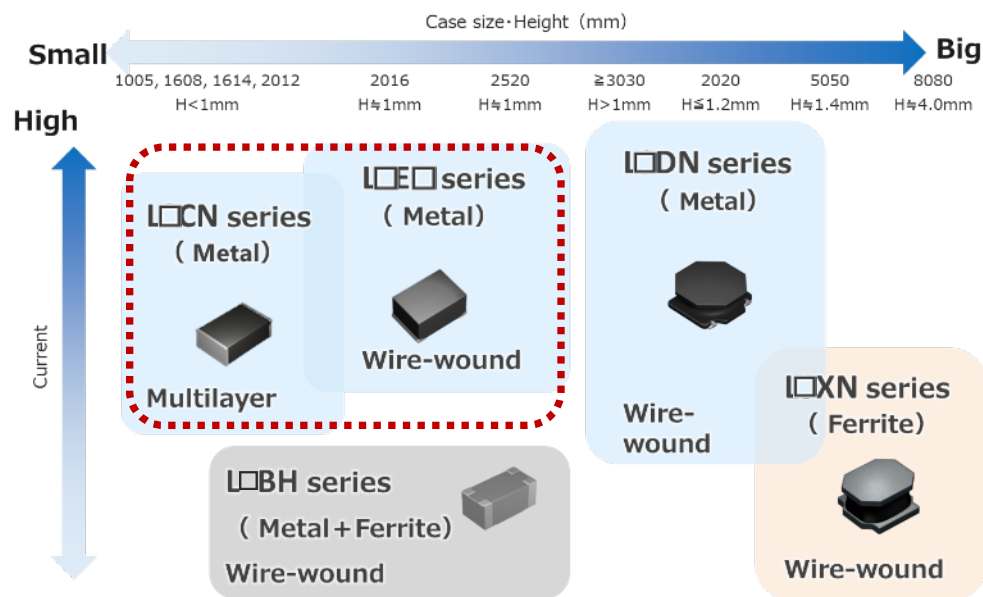
Solution Metal Power Inductors L□CN (Multilayer) / L□E□ (Wire-Wound Type) Series

TAIYO YUDEN

Metal Power Inductors L□CN (Multilayer Type) / L□E□ (Wire-Wound Type) Series

L□CN series achieves high performance and miniaturization by combining magnetic materials with a multilayer structure—the world's first such design.

L□E□ series achieves high current and low DCR by improving the metal materials used in its wire-wound structure.



Applications

Smartphones, Automotive Systems, Industrial Equipment, Memory, PCs