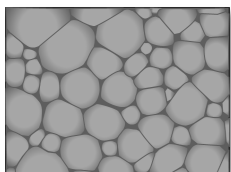


MCOIL™ Series

LSCN(MC) Series

Original Material



Particle bonding by oxide layer

High heat resistance
High thermal conductivity
Low loss iron-based
magnetic material

Point

Reduce DCR

about **– 53%**

Reduce Volume

about **– 56%**

High Current

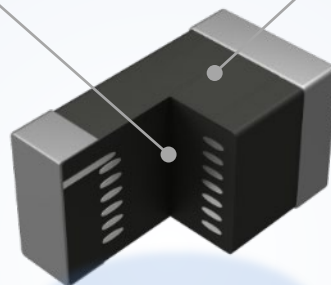
about **x 3.0**

Process Features

**Multilayer
Technology
+
Thermomechanical
Technology**

Applications

Smartphones/Wearable/
IoT/Automotive/Industry



※ Compared to ferrite products of the same inductance

• CKP2012NR47M (ferrite products) Case Size(mm):2.0x1.25x1.0 Inductance:0.47uH Isat(max):1.2A Rdc(max):0.080Ω
• LSCND1412FETR47ME (metal products) Case Size(mm):1.4x1.2x0.65 Inductance:0.47uH Isat(max):3.6A Rdc(max):0.038Ω

※MCOIL is a registered trademark or trademark of TAIYO YUDEN CO., LTD. in Japan and other countries.

The names of series noted in the text are excerpted from part numbers that indicate the types and characteristics of the products, and therefore are neither product names nor trademarks.

TAIYO YUDEN