



## 逆变器相关

# MaDC软磁铁氧体和金属粉芯

Soft Ferrite aDC-F' and Metal Powder Cores

满足客户的多样化、高性能的需求

Material portfolio for various, high performance requirement

### 概要

## 300kHz—3MHz频段(MaDC) 的低损耗软磁铁氧体材料和高电阻金属材料 (HRM) 实现高频驱动产品的小型化

The series of low loss soft ferrite materials from 300kHz to 3MHz (aDC-F), and the high resistance metal materials(HRM) contribute to the miniaturization of high frequency devices and products.

### 用途

数据中心、车载等  
变压器、电感器  
Transformer, Inductor  
for datacenter, automotive, etc.

### 特点

### • 软磁铁氧体 (Madc系列) • Soft Ferrite (MaDC-F Series)

ML27D: 300-500kHz, 20-100°C宽温度范围内低损耗材料  
20-100 degC flat low loss material at the frequency 300kHz to 500kHz

ML95S: 500kHz-1MHz低损耗材料

Low loss material at the frequency 500kHz to 1MHz

ML91S: 1-5MHz低损耗材料

Low loss material at the frequency 1MHz to 5MHz

### • 金属粉芯 • Metal Powder cores

HRM40: 金属材料+高电阻对应复杂形状

Metal material with high resistivity Complex Shape availability

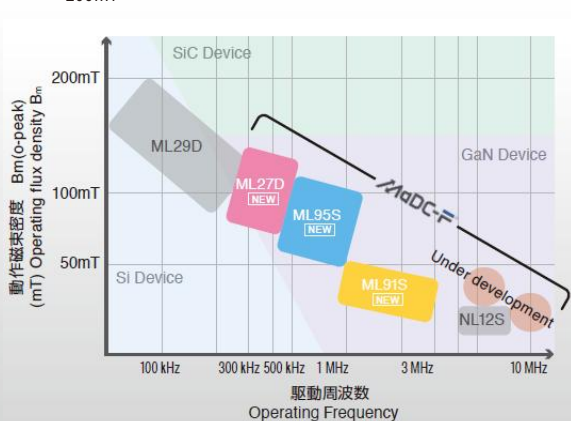
HRM55: 在保持高电阻的同时实现高磁导率

Higher permeability than HRM40 with same resistivity



### 磁通量密度与驱动频率的关系

Relationship between operating flux density and operating frequency



### 磁导率与电阻率的关系

Relationship between permeability and resistivity

