

The FM series coils are made of nano-crystal.

#### ◆MAJOR USES

- Signal power line noise control
- DC power line noise control
- AC power line noise control
- Filter line



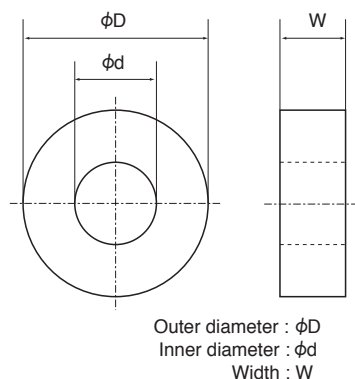
#### ◆FEATURES

- The high permeability core is made of nano-crystal
- High impedance in spite of a small number of turns
- Excellent temperature characteristics
- Conforming to insulating type B and incombustibility UL94V-0

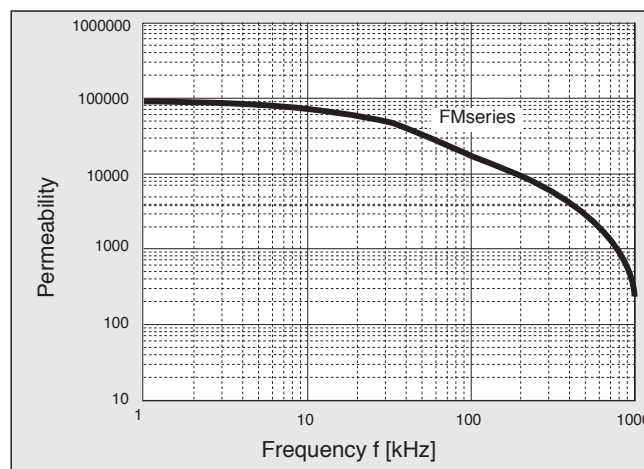
#### ◆CORE STANDARD SPECIFICATIONS

| Core Part No.<br>(Old Core Part No.) | Abbreviation | Cross<br>Sectional<br>Area<br>cm <sup>2</sup> | Magnetic<br>Path<br>Length<br>cm | Outside Dimensions |          |         | Inductance Coefficient AL Value<br><br>Idc=0[A]<br>μH (100kHz) |
|--------------------------------------|--------------|-----------------------------------------------|----------------------------------|--------------------|----------|---------|----------------------------------------------------------------|
|                                      |              |                                               |                                  | φD<br>mm           | φd<br>mm | W<br>mm |                                                                |
| LRF251515MK<br>(F251515MK)           | M8K          | 0.63                                          | 6.40                             | 28.3               | 12.7     | 17.5    | 18.3                                                           |
| LRF322015MK<br>(F322015MK)           | MRK          | 0.73                                          | 8.17                             | 35.2               | 17.5     | 17.3    | 16.6                                                           |
| LRF372315MK<br>(F372315MK)           | MJK          | 0.85                                          | 9.42                             | 40.5               | 19.5     | 18.0    | 17.2                                                           |
| LRF462715MK<br>(F462715MK)           | MQK          | 1.15                                          | 11.50                            | 49.4               | 22.7     | 18.0    | 18.6                                                           |
| LRF462725MK<br>(F462725MK)           | MKK          | 1.92                                          | 11.50                            | 49.4               | 22.7     | 28.0    | 31.0                                                           |
| LRF603525MK<br>(F603525MK)           | MLK          | 2.53                                          | 14.90                            | 66.7               | 29.3     | 29.2    | 31.6                                                           |
| LRF624520MK<br>(F624520MK)           | MLCH         | 1.36                                          | 16.80                            | 66.0               | 41.0     | 24.0    | 15.2                                                           |

#### ◆DIMENSIONS OF CORE

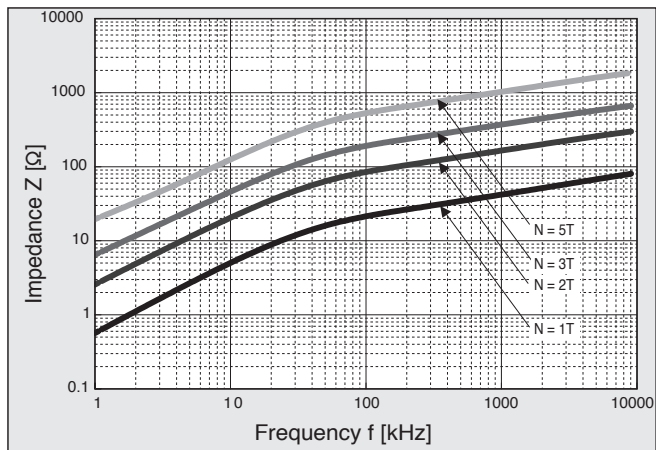


#### ◆FREQUENCY - PERMEABILITY CHARACTERISTICS



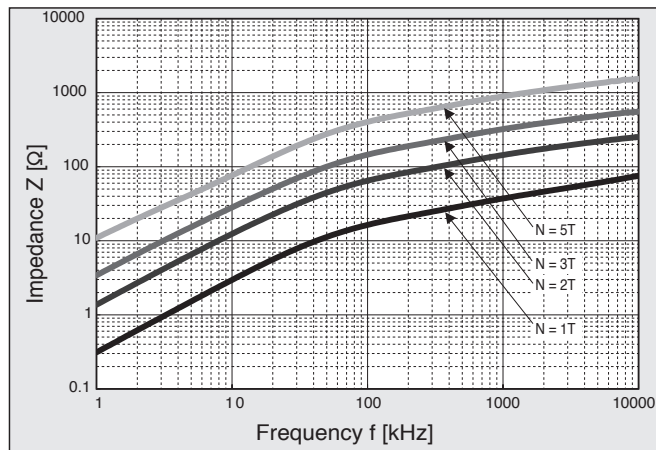
◆FREQUENCY - IMPEDANCE CHARACTERISTICS (1)

●LRF251515MK



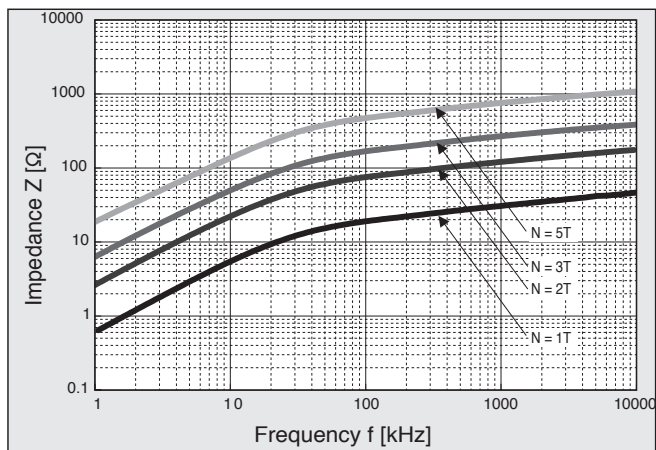
◆FREQUENCY - IMPEDANCE CHARACTERISTICS (2)

●LRF322015MK



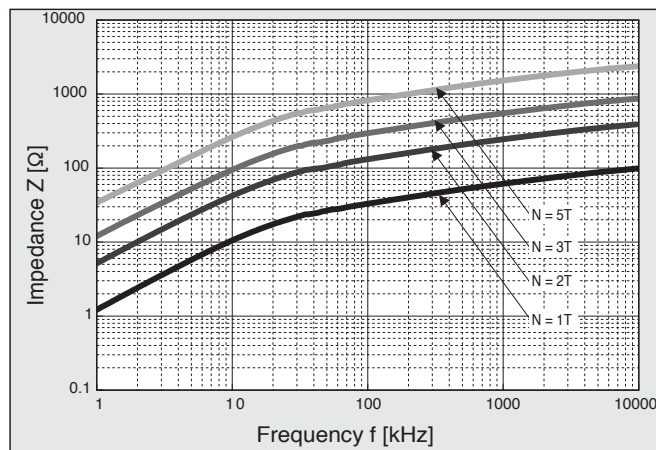
◆FREQUENCY - IMPEDANCE CHARACTERISTICS (3)

●LRF372315MK



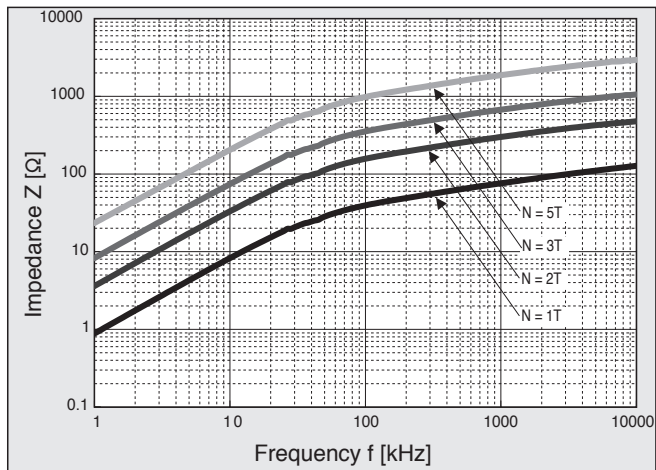
◆FREQUENCY - IMPEDANCE CHARACTERISTICS (4)

●LRF462725MK



◆FREQUENCY - IMPEDANCE CHARACTERISTICS (5)

●LRF603525MK



◆FREQUENCY - IMPEDANCE CHARACTERISTICS (6)

●LRF624520MK

