

# Ferrite Toroidal Core

## TOROIDAL CORES

Toroidal cores provide high performance when wound and used as cores for transformers, inductors, or chokes.

### FEATURES:

Minimal effect on transmission waveforms

Provide low cost noise countermeasures right at the data lines

Can be added as First-Aid, On-The Spot countermeasures when equipment or devices fail

### APPLICATIONS:

Measuring equipment

Current sensing transformers

DC-DC converters

Telecommunications

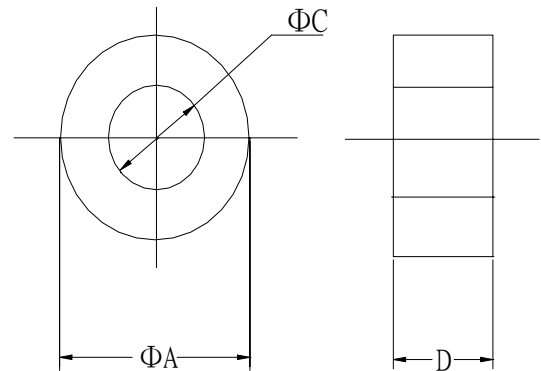
EMI filters

LAN matching and isolation transformers

LAN common mode chokes

Power supply common chokes

Inductors

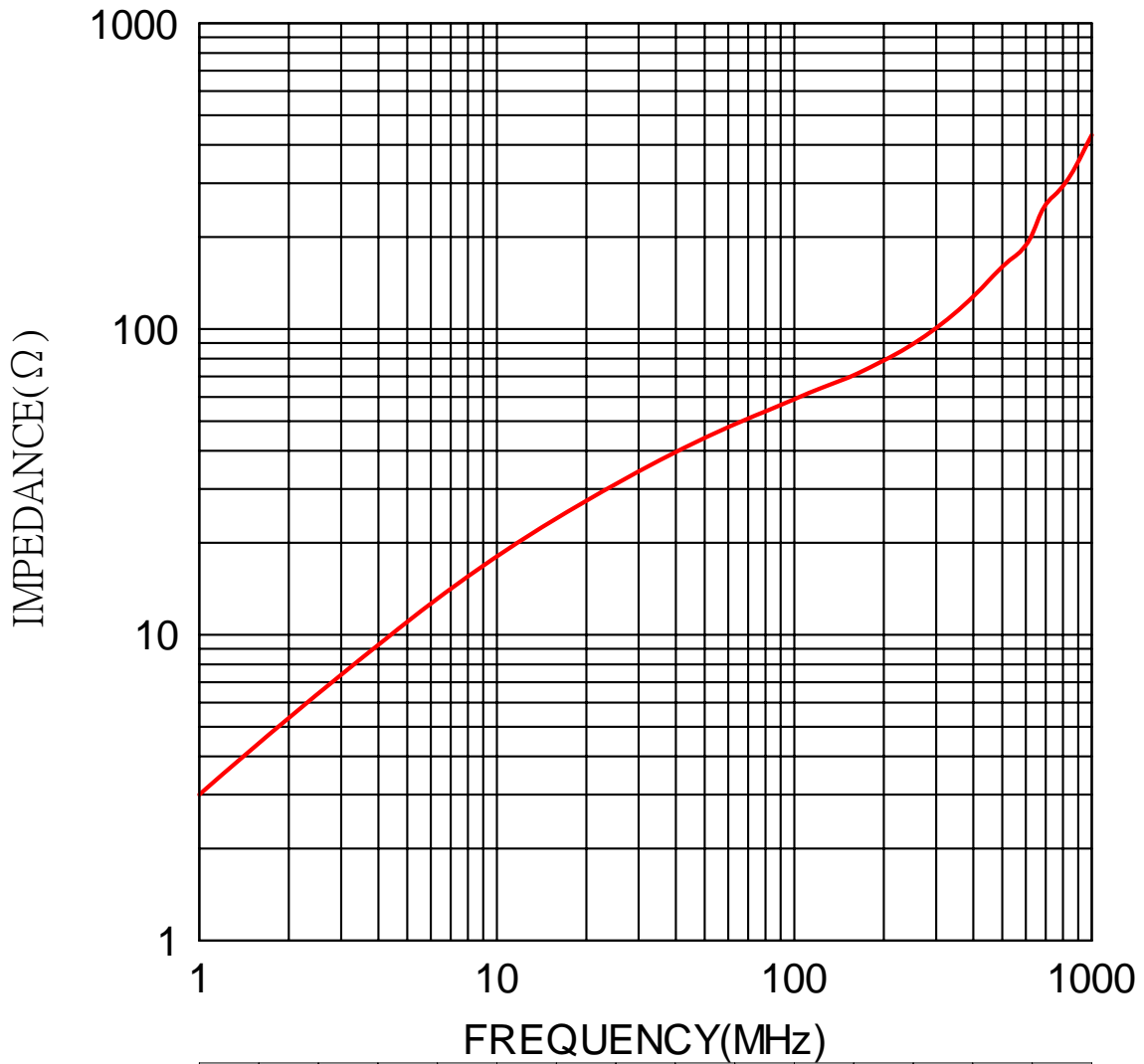


### SPECIFICATION:

|                     |                           |
|---------------------|---------------------------|
| Frequency           | @ 100 MHz                 |
| For cable size      | $\varnothing \leq 1.5$ mm |
| A                   | 5 mm                      |
| C                   | 1.5 mm                    |
| D                   | 4 mm                      |
| Impedance @ 100 MHz | 41 $\Omega$               |
| Impedance @ 25 MHz  | 25 $\Omega$               |

Art. Nr.

**RND 165-00179**



|     | 1 | 5  | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-----|---|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Z — | 3 | 11 | 18 | 31 | 44 | 59  | 79  | 101 | 128 | 160 | 188 | 255 | 293 | 354 | 431  |

(DATA BETWEEN 500MHz AND 1000MHz ARE FOR REFERENCE ONLY)