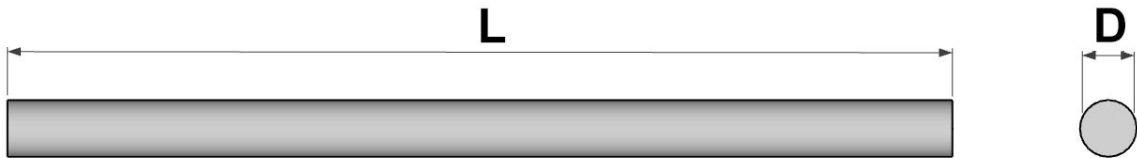


# DATASHEET

## R1X-1C7/014



### DIMENSIONS

|   | mm   | mm tol. | nominal in |
|---|------|---------|------------|
| L | 14.0 | ±0.5    | 0.55       |
| D | 1.7  |         | 0.07       |

### MATERIAL PROPERTIES

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Initial permeability ( $\mu_i$ )                   | 1000                               |
| Saturation flux density ( $B_s$ )                  | 2700 Gauss                         |
| Residual flux density ( $B_r$ )                    | 1000 Gauss                         |
| Coercivity ( $H_c$ )                               | 0.2 Oe                             |
| Curie temperature ( $T_c$ )                        | >130 °C                            |
| Relative temperature coeff. ( $\alpha\mu_r$ )      | $4 \times 10^{-6}$ °C (20 ÷ 70 °C) |
| Relative Loss factor ( $\text{tg}\delta / \mu_i$ ) | $45 \times 10^{-6}$ (0.5 MHz)      |
| Density                                            | 4.8 g/cm <sup>3</sup>              |



2015/863/UE