

# DATASHEET

## R1P-008/140



### DIMENSIONS

|   | mm    | mm tol. | nominal in |
|---|-------|---------|------------|
| D | 8.0   |         | 0.31       |
| L | 140.0 |         | 5.50       |
| h | 7.0   | ±0.3    | 0.28       |

### MATERIAL PROPERTIES

|                                                    |                                     |
|----------------------------------------------------|-------------------------------------|
| Initial permeability ( $\mu_i$ )                   | 300                                 |
| Saturation flux density ( $B_s$ )                  | 3000 Gauss                          |
| Residual flux density ( $B_r$ )                    | 1600 Gauss                          |
| Coercivity ( $H_c$ )                               | 0.52 Oe                             |
| Curie temperature ( $T_c$ )                        | >150 °C                             |
| Relative temperature coeff. ( $\alpha\mu_r$ )      | $24 \times 10^{-6}$ °C (20 ÷ 60 °C) |
| Relative Loss factor ( $\text{tg}\delta / \mu_i$ ) | $20 \times 10^{-6}$ (0.3 MHz)       |
| Density                                            | 4.7 g/cm <sup>3</sup>               |



2015/863/UE