

DATA SHEET

3N5

Draft material specification

2020 April 27th



3N5 SPECIFICATION

An EMI-suppression material for conducted emissions up to 30 MHz with a maximum impedance in the frequency range 0.5 to 3 MHz.

| SYMBOL | CONDITIONS | VALUE | UNIT |
|-----------------|-----------------------|----------------|--------------------------|
| μ_i | 25°C; 10kHz; 0.25mT | ≈ 6000 | |
| B | 25°C; 10kHz; 1200A/m | ≈ 460 | mT |
| | 100°C; 10kHz; 1200A/m | ≈ 300 | |
| Z_{C_1} / N^2 | 25°C; 1MHz; 0.25mT | ≈ 22 | Ω/mm |
| | 25°C; 3MHz; 0.25mT | ≈ 41 | |
| ρ_{DC} | 25°C | ≈ 0.5 | Ωm |
| T_c | | ≥ 150 | $^{\circ}\text{C}$ |
| density | | ≈ 4850 | kg / m^3 |

Measurd on T14/9/5



