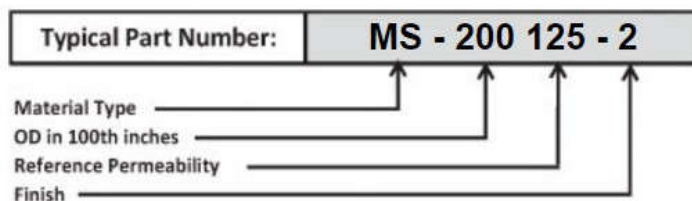
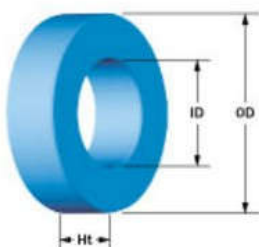


Спецификация магнитных сердечников Fluxsan FS-200xxx-2

(Информация с сайта <http://micrometalsarnoldpowdercores.com>)



Physical Dimensions

| OD | Bare Core Nominal | 50.80 mm | 2.000 in |
|----|-------------------|----------|----------|
| | Coated Core (max) | 51.69 mm | 2.035 in |
| ID | Bare Core Nominal | 31.75 mm | 1.250 in |
| | Coated Core (min) | 30.94 mm | 1.218 in |
| Ht | Bare Core Nominal | 13.46 mm | 0.530 in |
| | Coated Core (max) | 14.35 mm | 0.565 in |

Magnetic Dimensions

| | | |
|------------|----------------------------------|----------------------|
| Ae | Effective Magnetic Cross Section | 1.25 cm ² |
| Le | Effective Magnetic Path Length | 12.7 cm |
| Ve | Effective Core Volume | 15.9 cm ³ |
| WA | Minimum Effective Window Area | 7.52 cm ² |
| SA | Surface Area | 88.2 cm ² |
| MLT | Mean Length Per Turn | 6.49 cm |

Permeability Part Numbers

| Reference Permeability | A _L Value (nH/N ²) | MS Sendust | SH High Freq. Sendust | MPP Molypermalloy | FluxSan™ Silicon Iron | Hi-Flux™ Nickle Iron | Optilloy™ Optimized Alloy |
|----------------------------|---|-------------|-----------------------|-------------------|-----------------------|----------------------|---------------------------|
| 14μ | 17 | MS-200014-2 | | MP-200014-2 | FS-200014-2 | HF-200014-2 | OP-200014-2 |
| 26μ | 32 | MS-200026-2 | SH-200026-2 | MP-200026-2 | FS-200026-2 | HF-200026-2 | OP-200026-2 |
| 40μ | 49 | MS-200040-2 | | | FS-200040-2 | | OP-200040-2 |
| 60μ | 73 | MS-200060-2 | SH-200060-2 | MP-200060-2 | FS-200060-2 | HF-200060-2 | OP-200060-2 |
| 75μ | 91 | MS-200075-2 | | | FS-200075-2 | | OP-200075-2 |
| 90μ | 109 | MS-200090-2 | | | FS-200090-2 | | OP-200090-2 |
| 125μ | 152 | MS-200125-2 | SH-200125-2 | MP-200125-2 | | HF-200125-2 | OP-200125-2 |
| 147μ | 179 | MS-200147-2 | | MP-200147-2 | | HF-200147-2 | |
| 160μ | 195 | MS-200160-2 | | MP-200160-2 | | HF-200160-2 | |
| 173μ | 210 | | | MP-200173-2 | | | |
| 205μ | 249 | | | MP-200205-2 | | | |
| Approx Unit Weight: | | 92 g | 89 g | 118 g | 108 g | 109 g | 106 g |

Test Conditions

| | |
|--------------------------------|---------------|
| Winding | N=70, #18 AWG |
| Frequency | 10 kHz |
| Voltage | 0.39 V |
| A_L Tolerance | ±8% |

Coating/Packaging Information

| | |
|--------------------------|-------------|
| Coating Type | Blue Epoxy |
| Voltage Breakdown | 1000 Vrms |
| Unit | 0.1 mA, 5 s |
| Package Quantity | 125 Pcs/Box |

Winding Table

| Wire Size | AWG | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
|--------------|--------|-------|--------|--------|--------|---------|---------|---------|---------|---------|-------|-------|
| | | mm | 3.150 | 2.500 | 2.000 | 1.600 | 1.250 | 1.000 | 0.800 | 0.630 | 0.500 | 0.400 |
| Single Layer | Turns | 23 | 30 | 38 | 48 | 60 | 75 | 94 | 118 | 148 | 184 | 230 |
| | Rdc(Ω) | 3.1 m | 6.4 m | 12.8 m | 25.8 m | 51.2 m | 101.9 m | 203.0 m | 405.4 m | 808.6 m | 1.6 | 3.2 |
| Full Winding | Turns | 39 | 61 | 94 | 146 | 226 | 350 | 541 | 837 | 1,296 | 2,006 | 3,104 |
| | Rdc(Ω) | 5.2 m | 12.9 m | 31.7 m | 78.4 m | 193.0 m | 475.3 m | 1.2 | 2.9 | 7.1 | 17.4 | 42.9 |