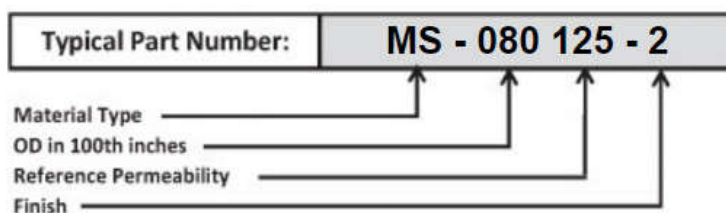
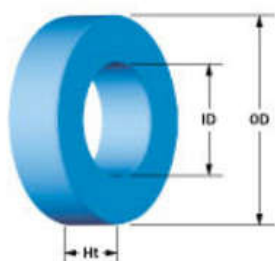


Спецификация магнитных сердечников Fluxsan FS-080xxx-2

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



Physical Dimensions

| OD | Bare Core Nominal | 20.32 mm | 0.800 in |
|----|-------------------|----------|----------|
| | Coated Core (max) | 21.08 mm | 0.830 in |
| ID | Bare Core Nominal | 12.70 mm | 0.500 in |
| | Coated Core (min) | 12.07 mm | 0.475 in |
| Ht | Bare Core Nominal | 6.35 mm | 0.250 in |
| | Coated Core (max) | 7.11 mm | 0.280 in |

Magnetic Dimensions

| Ae | Effective Magnetic Cross Section | 0.226 cm ² |
|-----|----------------------------------|-----------------------|
| Le | Effective Magnetic Path Length | 5.09 cm |
| Ve | Effective Core Volume | 1.15 cm ³ |
| WA | Minimum Effective Window Area | 1.14 cm ² |
| SA | Surface Area | 15.5 cm ² |
| MLT | Mean Length Per Turn | 2.93 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™ Nickel Iron | Optilloy™ Optimized Alloy |
|----------------------------|---|-------------|-----------------------|-------------------|-----------------------|----------------------|---------------------------|
| 14μ | 7.8 | MS-080014-2 | | MP-080014-2 | FS-080014-2 | HF-080014-2 | OP-080014-2 |
| 26μ | 14 | MS-080026-2 | SH-080026-2 | MP-080026-2 | FS-080026-2 | HF-080026-2 | OP-080026-2 |
| 40μ | 21 | MS-080040-2 | | | FS-080040-2 | | OP-080040-2 |
| 60μ | 32 | MS-080060-2 | SH-080060-2 | MP-080060-2 | FS-080060-2 | HF-080060-2 | OP-080060-2 |
| 75μ | 41 | MS-080075-2 | | | FS-080075-2 | | OP-080075-2 |
| 90μ | 49 | MS-080090-2 | | | FS-080090-2 | | OP-080090-2 |
| 125μ | 68 | MS-080125-2 | SH-080125-2 | MP-080125-2 | | HF-080125-2 | OP-080125-2 |
| 147μ | 81 | MS-080147-2 | | MP-080147-2 | | HF-080147-2 | |
| 160μ | 87 | MS-080160-2 | | MP-080160-2 | | HF-080160-2 | |
| 173μ | 96 | | | MP-080173-2 | | | |
| 205μ | 113 | | | MP-080205-2 | | | |
| Approx Unit Weight: | | 6.6 g | 6.4 g | 8.6 g | 7.8 g | 7.9 g | 7.6 g |

Test Conditions

| | |
|--------------------------------|---------------|
| Winding | N=90, #28 AWG |
| Frequency | 10 kHz |
| Voltage | 0.090 V |
| A_L Tolerance | ±8% |

Coating/Packaging Information

| | |
|--------------------------|---------------|
| Coating Type | Blue Epoxy |
| Voltage Breakdown | 1000 Vrms |
| Unit | 0.1 mA, 5 s |
| Package Quantity | 1,800 Pcs/Box |

Winding Table

| Wire Size | AWG | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
|---------------------|--------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| | mm | 2.500 | 2.000 | 1.600 | 1.250 | 1.000 | 0.800 | 0.630 | 0.500 | 0.400 | 0.315 | 0.250 |
| Single Layer | Turns | 10 | 13 | 17 | 22 | 28 | 35 | 44 | 56 | 70 | 88 | 110 |
| | Rdc(Ω) | 1.0 m | 2.0 m | 4.1 m | 8.5 m | 17.1 m | 34.1 m | 68.1 m | 137.9 m | 274.2 m | 548.2 m | 1.1 |
| Full Winding | Turns | 9 | 14 | 22 | 34 | 53 | 82 | 127 | 197 | 305 | 472 | 731 |
| | Rdc(Ω) | 0.9 m | 2.1 m | 5.3 m | 13.1 m | 32.4 m | 79.8 m | 196.7 m | 485.2 m | 1.2 | 2.9 | 7.2 |