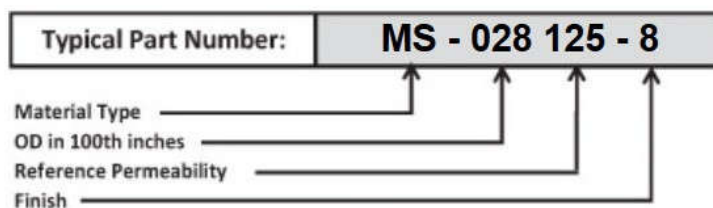
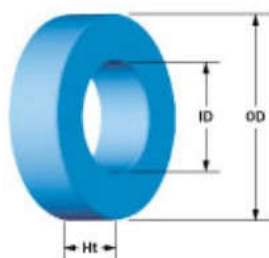


Спецификация магнитных сердечников Molypermalloy MP-028xxx-8

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



Physical Dimensions

| OD | Bare Core Nominal | 7.04 mm | 0.277 in |
|----|-------------------|---------|----------|
| | Coated Core (max) | 7.67 mm | 0.302 in |
| ID | Bare Core Nominal | 3.96 mm | 0.156 in |
| | Coated Core (min) | 3.45 mm | 0.136 in |
| Ht | Bare Core Nominal | 5.08 mm | 0.200 in |
| | Coated Core (max) | 5.72 mm | 0.225 in |

Magnetic Dimensions

| | | |
|------------|----------------------------------|------------------------|
| Ae | Effective Magnetic Cross Section | 0.075 cm ² |
| Le | Effective Magnetic Path Length | 1.68 cm |
| Ve | Effective Core Volume | 0.126 cm ³ |
| WA | Minimum Effective Window Area | 0.0937 cm ² |
| SA | Surface Area | 2.8 cm ² |
| MLT | Mean Length Per Turn | 1.74 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 | 8 | MS-028014-8 | | MP-028014-8 | FS-028014-8 | HF-028014-8 | OP-028014-8 |
| 26μ | 14 | MS-028026-8 | SH-028026-8 | MP-028026-8 | FS-028026-8 | HF-028026-8 | OP-028026-8 |
| 40μ | 22 | MS-028040-8 | | | FS-028040-8 | | OP-028040-8 |
| 60μ | 33 | MS-028060-8 | SH-028060-8 | MP-028060-8 | FS-028060-8 | HF-028060-8 | OP-028060-8 |
| 75μ | 42 | MS-028075-8 | | | FS-028075-8 | | OP-028075-8 |
| 90μ | 50 | MS-028090-8 | | | FS-028090-8 | | OP-028090-8 |
| 125μ | 70 | MS-028125-8 | SH-028125-8 | MP-028125-8 | | HF-028125-8 | OP-028125-8 |
| 147μ | 81 | MS-028147-8 | | MP-028147-8 | | HF-028147-8 | |
| 160μ | 89 | MS-028160-8 | | MP-028160-8 | | HF-028160-8 | |
| 173μ | 95 | | | MP-028173-8 | | | |
| 205μ | 113 | | | MP-028205-8 | | | |
| Approx Unit Weight: | | 0.73 g | 0.70 g | 0.94 g | 0.86 g | 0.87 g | 0.84 g |

Test Conditions

| | |
|--------------------------------|----------------------|
| Winding | N=40, #32 AWG |
| Frequency | 10 kHz |
| Voltage | 0.013 V |
| A_L Tolerance | ±8% (±12% Super-MSS) |

Coating/Packaging Information

| | |
|--------------------------|----------------|
| Coating Type | Parylene N |
| Voltage Breakdown | 500 Vrms |
| Unit | 0.1 mA, 5 s |
| Package Quantity | 12,600 Pcs/Box |

Winding Table

| Wire Size | AWG | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 |
|--------------|--------|--------|--------|--------|---------|---------|---------|---------|-------|-------|-------|-------|
| | mm | 0.630 | 0.500 | 0.400 | 0.315 | 0.250 | 0.200 | 0.160 | 0.125 | 0.100 | 0.080 | 0.063 |
| Single Layer | Turns | 11 | 14 | 18 | 23 | 29 | 37 | 47 | 59 | 75 | 93 | 117 |
| | Rdc(Ω) | 10.1 m | 20.5 m | 41.9 m | 85.1 m | 170.7 m | 346.3 m | 699.6 m | 1.4 | 2.8 | 5.6 | 11.1 |
| Full Winding | Turns | 10 | 16 | 25 | 39 | 60 | 92 | 143 | 222 | 343 | 531 | 821 |
| | Rdc(Ω) | 9.2 m | 23.4 m | 58.2 m | 144.3 m | 353.1 m | 861.1 m | 2.1 | 5.3 | 12.9 | 31.8 | 78.2 |