



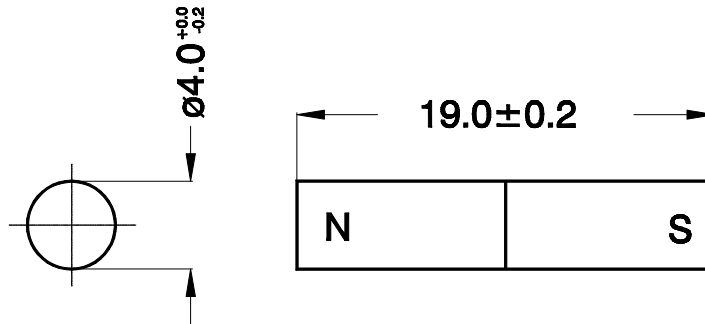
Products for tomorrow...

Headquarter Europe  
MEDER electronic AG  
Friedrich-List Strasse 6  
D-78234 Engen-Welschingen  
Tel.: +49(0)7733-9487-0  
Fax: +49(0)7733-9487-32  
eMail: [info@meder.com](mailto:info@meder.com)  
Internet: [www.meder.com](http://www.meder.com)

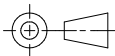
Headquarter USA  
MEDER electronic Inc.  
766 Falmouth Rd  
Mashpee, MA 02649  
Phone: +1/ 508-539-0002  
Fax: +1/ 508-539-4088  
eMail: [salesusa@meder.com](mailto:salesusa@meder.com)

**Magnet:** AlNiCo 500 4 x 19  
**Part Number:** 4003004003

**Dimensions (mm)**



**round bar magnet magnetization axial**



AlNiCo 500 code acc. to DIN 17410 : 35 / 5

| Magnetic values acc. to DIN 17410 |              | Min. | Typ.   | Max. | unit               |
|-----------------------------------|--------------|------|--------|------|--------------------|
| Energy product                    | (B x H) max. | 35   | 39,8   | -    | $\text{kJ/m}^3$    |
| Remanence                         | $B_r$        | 1120 | 1240   | -    | mT                 |
| revers. temp. coeff. of $B_r$     |              | -    | -0,02% | -    | %/K                |
| Coercivity                        | $H_{cB}$     | 47,0 | 51,3   | -    | kA/m               |
| Coercivity                        | $H_{cJ}$     | 48,0 | 51,7   | -    | kA/m               |
| revers. temp. coeff. of $H_{cJ}$  |              | -    | -      | -    | %/K                |
| Density                           |              | -    | 7,4    | -    | $\text{g/cm}^3$    |
| max. operating temperature        |              | -    | -      | 450  | $^{\circ}\text{C}$ |

**Remark :** all details correspond to manufacturers information

|                 |   |      |      |   |                            |
|-----------------|---|------|------|---|----------------------------|
| Magnetic Moment | M | 1,98 | 2,22 | - | $\text{X}10^{-5}$<br>Vs·cm |
|-----------------|---|------|------|---|----------------------------|

**DEFINITION:**

$M = \Phi \cdot K$

$\Phi$  = Magnetic Flux

K = Coil Constant

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Industrial Hall Effect/Magnetic Sensors](#) category:*

*Click to view products by [MEDER](#) manufacturer:*

Other Similar products are found below :

[GT-13013](#) [GT-13040](#) [GT-14114](#) [DRR-129\(62-68\)](#) [ATS682LSHTN-T](#) [SR4P2-C7](#) [GT-13012](#) [GT-14049](#) [GT-14067](#) [GT-14132](#) [GT-18030](#)  
[103FW12-R3](#) [A1155LLHLT-T](#) [SMSA2P30CG](#) [P2D-000](#) [GN 55.2-SC-15-3](#) [GN 55.2-SC-5-3](#) [MZA70175](#) [103FW41-R1](#) [KJR-D100AN-](#)  
[DNA-VE](#) [KJR-D100AN-DNIA-V2](#) [SR-10018](#) [115L 14E 502 W06017](#) [ATS128LSETN-T](#) [TLE4906LHALA1](#) [TLE49452LHALA1](#)  
[BU52013HFV-TR](#) [MRMS591A](#) [103SR14A-1](#) [MZT7-03VPS-KR0](#) [MZT7-03VPS-KW0](#) [MZT8-03VPS-KW0](#) [MZT8-28VPS-KP0](#)  
[A1326LLHLX-T](#) [A1326LLHLT-T](#) [A1156LLHLT-T](#) [ACS770LCB-100U-PFF-T](#) [ATS617LSGTM-T](#) [AH49ENTR-G1](#) [SS360PT](#) [SS311PT](#)  
[GN 55.2-ND-15-3](#) [GN 55.2-ND-18-3](#) [GN 55.2-ND-4-3](#) [GN 55.2-ND-8-3](#) [GN 55.2-SC-10-3](#) [GN 55.4-ND-10-7,5-2](#) [GN 55.4-ND-12-9,5-2,5](#)  
[GN 55.4-ND-26-20,3-5](#) [GN 55.4-ND-7,5-4-1,5](#)