



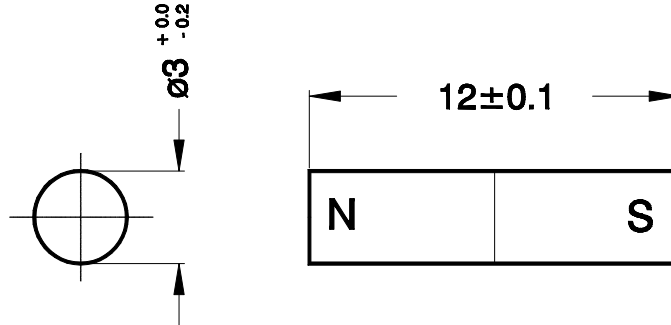
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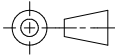
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**Magnet:** AINiCo 500 3 x12  
**Part Number:** 4003004010

### Dimensions (mm)



round bar magnet magnetization axial



AINiCo 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	°C

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

Magnetic Moment	M	6,00	6,70	-	$\text{X10}^{-6}$ Vs·cm
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### DEFINITION:

$$M = \Phi \cdot K$$

$\Phi$  = Magnetic Flux

K = Coil Constant

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