



Products for tomorrow

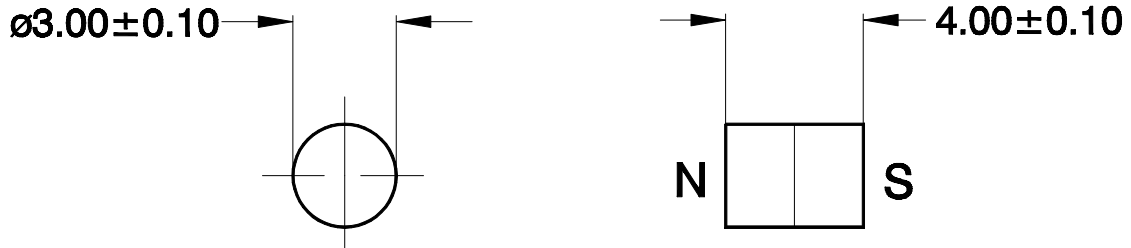
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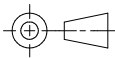
Magnet: SmCo₅ 3,0 x 4,0

Part Number: 4003004025

Dimensions (mm)



round bar magnet magnetization axial



SmCo₅ code acc. to DIN 17410 : 160 / 175 h

Magnetic values acc. to DIN 17410		Min.	Typ.	Max.	unit
Energy product	(B x H) max.	160	170	-	kJ/m ³
Remanence	B _r	900	925	-	mT
revers. temp. coeff. of B _r		-	-0,042	-	%/K
Coercivity	H _{cB}	680	710	-	kA/m
Coercivity	H _{cJ}	1750	2000	-	kA/m
revers. temp. coeff. of H _{cJ}		-	-0,25	-	%/K
Density		-	8,3	-	g/cm ³
max. operating temperature		-	-	250	°C

Remark : all details correspond to manufacturer information

Magnetic Moment	M	-	2,83694	-	X10 ⁻⁶ Vs·cm
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DEFINITION:

$$M = \Phi \cdot K$$

Φ = Magnetic Flux

K = Coil Constant