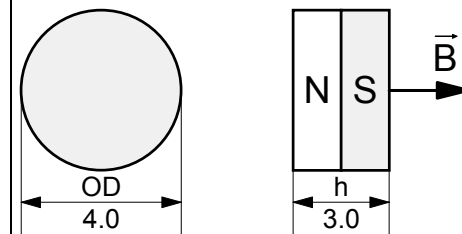


NEOBDYNMAGNET
NdFeB - cylindrical

O09.0045



Magnet Data

Parameter	Symbol	Note	Limits			
			Min.	Typ.	Max.	Unit
Material	NdFeB	N-35H				
Magnetic flux density	Br		11600		12500	G
Temp. coefficient of the flux density	$\alpha(Br)$			-0,12		%/°C
Operating temperature	TA				120	°C
number of pole-pairs	P	1 Polpair				
Direction of magnetization		see figure				
Mechanical dimensions						
length	a					
width	b					
height	h		2,9	3,0	3,1	mm
diameter (inside)	ID					
diameter (outside)	AD		3,9	4,0	4,1	mm

Treatment of edges: without ridge
 Treatment of the surface: none
 Plating: Ni-coating
 Packaging units: 1000 pcs per bag

CAUTION: NdFeB-magnets are sensitive against corrosion and hence are protected by means of a Ni-layer that covers the whole magnet surface. Precautions have to be taken that the protection layer will not be damaged during handling and/or due to physical or chemical impact.

INDUCTION AS A FUNKTION OF AIRGAP (typ. values)

Airgap, d [mm]	0,5	1,0	1,5	2,0	3,0	4,0
Induction, B [Gauß]	-	1579	1121	736	446	234

Airgap d is defined as the distance between sensor surface and magnet surface.
 Induction B measured with a calibrated Hallsensor (UGN3605K - CAL).
 The minimum 3sigma induction is approximately 10% lower than the typical value.

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