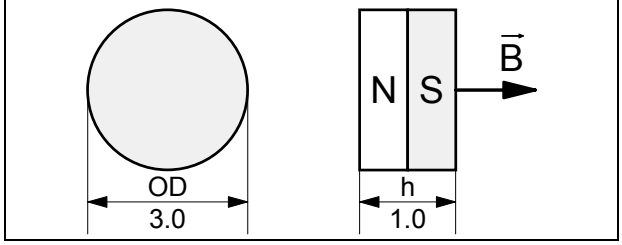
NdFeB MAGNET
N35SH - cylindrical

O09.0021



MAGNET DATA

Parameter	Symbol	Note	Limits Min.	Typ.	Max.	Unit
Material	NdFeB	N35SH				
Magnetic Flux Density	Br		11700		12100	G
Temp. Coefficient of Flux Density	α(Br)			-0.12		%/°C
Operating Temperature	TA				150	°C
Number of Pole Pairs	P	1				
Direction of Magnetization		see dwg.				
Mechanical Dimensions						
height	h		0.9	1.0	1.1	mm
outer diameter	OD		2.9	3.0	3.1	mm

Treatment of edges: without ridge
Treatment of the surface: none
Plating: NiCuNi-coating
Marking: none

CAUTION: NdFeB-magnets are sensitive against corrosion and hence are protected by means of a NiCuNi-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]	-	617	383	224	120	56

Airgap d is defined as the distance between sensor surface and magnet surface.
Induction B measured with a calibrated Hallsensor (UGN3503U/UA - CAL).
The minimum 3sigma induction is approximately 10% lower than the typical value.

ORDER NUMBER: O09.0021