

MAG-4001

Diametrical Magnet

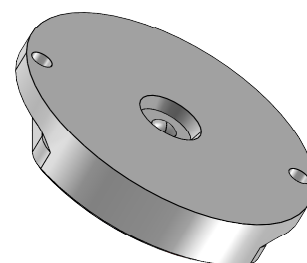
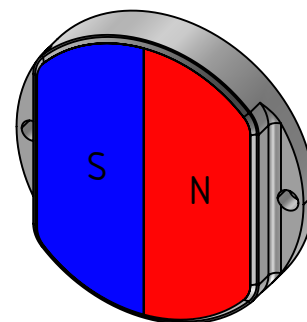
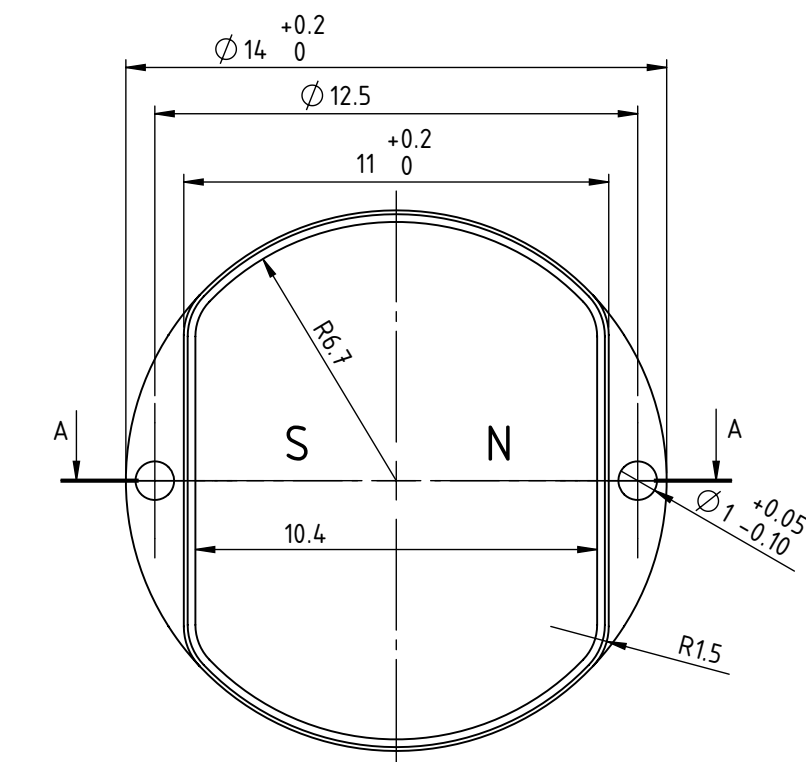


Rev A3, Page 1/2

ORDERING INFORMATION

Type	Order Designation	Description
Diametrical Magnet	MAG-4001	Outer Diameter: 14 mm Material: PA11 + NdFeB

DIAMETRICAL MAGNET DIMENSIONS



Scale 5:1

Scale 3:1

2-poles magnetized
on the front

All dimensions in [mm]



External magnetic fields can change the magnetic properties of the diametrical magnet or damage the magnetization. This may result in reduced system accuracy or failure. Do not bring the part in contact with other permanent magnets. On delivery, the magnets typically stick together in pairs which does not affect the performance of the magnet. Always pull off attracting parts perpendicular to the surface, do not shear them off. The magnets must not be brought together against their repulsive forces, i.e. with the same poles.

MAG-4001

Diametrical Magnet



Rev A3, Page 2/2

THERMAL DATA

Item No.	Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
				-40		125	°C
T01	Ta	Operating Ambient Temperature Range					

CHARACTERISTICS

Item No.	Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
				55			mT
C01	B _{min}	Magnetic Flux Density	Room temperature at 3 mm axial measurement distance				
C02	B _r	Remanence			540		mT
C03	TKB	Temperature coefficient of the remanence	Temperature range -40 °C...125 °C		-0.12		%/K
C04	HcB	Coercivity HcB			330		kA/m
C05	HcJ	Coercivity HcJ			600		kA/m
C06	Wt	Weight			1.75		g

REVISION HISTORY

Rel.	Rel. Date *	Chapter	Modification	Page
A1	2023-02-08		Initial release	

Rel.	Rel. Date *	Chapter	Modification	Page
A2	2023-02-10	CHARACTERISTICS	Added item no. C06 (Weight)	2

Rel.	Rel. Date *	Chapter	Modification	Page
A3	2024-09-18	all	Removed preliminary marking	all

iC-Haus expressly reserves the right to change its products, specifications and related supplements (together the Documents). A Datasheet Update Notification (DUN) gives details as to any amendments and additions made to the relevant Documents on our internet website www.ichaus.com/DUN and is automatically generated and shall be sent to registered users by email.

Copying – even as an excerpt – is only permitted with iC-Haus' approval in writing and precise reference to source.

The data and predicted functionality is intended solely for the purpose of product description and shall represent the usual quality and behaviour of the product. In case the Documents contain obvious mistakes e.g. in writing or calculation, iC-Haus reserves the right to correct the Documents and no liability arises insofar that the Documents were from a third party view obviously not reliable. There shall be no claims based on defects as to quality and behaviour in cases of insignificant deviations from the Documents or in case of only minor impairment of usability.

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information/specification resp. Documents or the products to which information refers and no guarantee with respect to compliance to the intended use is given. In particular, this also applies to the stated possible applications or areas of applications of the product.

iC-Haus products are not designed for and must not be used in connection with any applications where the failure of such products would reasonably be expected to result in significant personal injury or death (*Safety-Critical Applications*) without iC-Haus' specific written consent. Safety-Critical Applications include, without limitation, life support devices and systems. iC-Haus products are not designed nor intended for use in military or aerospace applications or environments or in automotive applications unless specifically designated for such use by iC-Haus.

iC-Haus conveys no patent, copyright, mask work right or other trade mark right to this product. iC-Haus assumes no liability for any patent and/or other trade mark rights of a third party resulting from processing or handling of the product and/or any other use of the product.

Software and its documentation is provided by iC-Haus GmbH or contributors "AS IS" and is subject to the ZVEI General Conditions for the Supply of Products and Services with iC-Haus amendments and the ZVEI Software clause with iC-Haus amendments (www.ichaus.com/EULA).

* Release Date format: YYYY-MM-DD