

Basic technical information for NeoTAG® HF Transponders, Document 1 of 4

Our product range of NeoTAG® HF RFID transponders/ RFID chips is constantly being expanded and new transponder versions are regularly added. In connection with the use of our transponders, we have compiled a large amount of background information on mounting, function, design, operating behaviour, etc. due to the many applications in which the products are used. As a supplement to our [Product Information HF RFID Transponder](#) data sheet, this document contains further technical explanations and application-supporting information.

1. Explanation of transponder nomenclature

Example: **NeoTAG® Plug MFG10340**



NeoTAG®	Registered trademark of NEOSID Pemetzrieder GmbH + Co. KG
Inlay	Components without housing
Plug	Component for press-in mounting in a drill hole
Flag	Component for fixing with fasteners, e.g. cable ties
SMD	Component for mounting on a printed circuit board
F	Component with ferrite core
M	Component for metallic environment
G	Bauteil mit Gehäuse
„10340“	Mechanical dimensions: diameter 10.3 mm, height 4.0 mm

2. Weights and dimensions

NeoTAG® Inlay F/MF2626:	0.04 g/piece	max. dimensions: 2.6 x 2.6 x 2.6 mm
NeoTAG® Inlay F/MF2659:	0.08 g/piece	max. dimensions: 2.6 x 2.6 x 5.9 mm
NeoTAG® Plug G/MG3326:	0.03 g/piece	max. dimensions: Ø3.3 x 2.6 mm
NeoTAG® Plug FG/MFG4335:	0.09 g/piece	max. dimensions: Ø4.3 x 3.6 mm
NeoTAG® Plug FG/MFG8336:	0.20 g/piece	max. dimensions: Ø8.3 x 3.6 mm
NeoTAG® Plug FG/MFG10340:	0.36 g/piece	max. dimensions: Ø10.3 x 4.0 mm
NeoTAG® Flag FG5242:	0.26 g/piece	max. dimensions: 11.2 x 5.15 x 4.15 mm
NeoTAG® Flag FG7678:	0.43 g/piece	max. dimensions: 7.6 x 7.1 x 7.75 mm
NeoTAG® Plug FG4670:	0.18 g/piece	max. dimensions: Ø4.7 x 7.1 mm
NeoTAG® SMD FG4530:	0.09 g/piece	max. dimensions: 5.4 x 3.7 x 3.1 mm

Alle Angaben ohne Gewähr. Irrtümer und Änderungen vorbehalten. No responsibility is taken for the correctness. Errors and modifications are subject to change.

This product information is one of four documents summarising special features, design notes and mounting information for our HF transponders of the NeoTAG family. The following features are explained with the documents:

Product info 1 of 4:	-	Nomenclature
	-	Weights and dimensions
Product info 2 of 4:	-	Reading ranges
	-	Metallic environments
	-	Read duration
	-	TAG alignment
Product info 3 of 4:	-	Mounting
	-	Mechanical stress
Product info 4 von 4:	-	Environmental tests
	-	Temperature resistance

Tell us your requirements - we will develop the right solution for you.

Have we aroused your interest? Then contact us about RFID transponders for different frequency ranges. Customised solutions are our speciality. We will be happy to support you with our know-how to realise your product development.

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