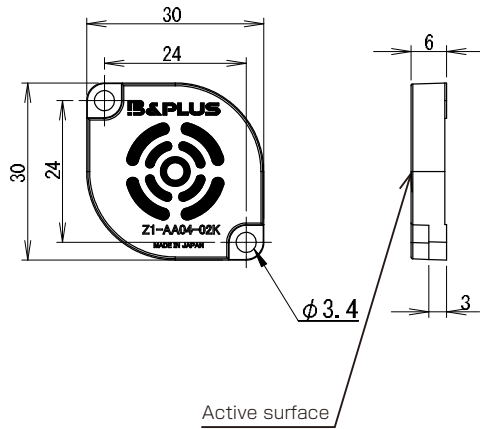


Dimension



Specification

Function	Read / Write
Size	30 x 30 x 6
Case material	PBT
Memory	2K byte
Operating temperature	- 25 ... + 70 deg.C.
Storage temperature	- 40 ... + 85 deg.C.
Protection class	IP67 (IEC)
Memory type	FRAM
Write cycles	Unlimited
Read cycles	Unlimited
Data retention time	10 years
Installation	M3 screw (Tightening torque : 0.5Nm)
Mouting in steel	Z3 series : No Z5 series : On steel
Vibration	10...55Hz times each axis to x-y-z, total 18 times.1.5mm XYZ
Weight	5 g

*1 Not included

*2 Please refer to the installation notes "Surrounding metal" as below.

Installation

■ Installation in Metal (steel)

The surface of the Data carrier must not be lower than the surrounding metal.

* In the case of using with the Z3 series antenna, the Data carrier cannot be used in metal-mounting.

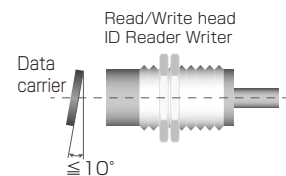
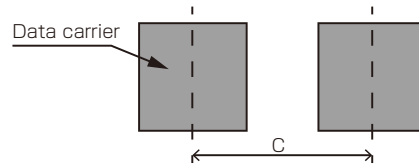
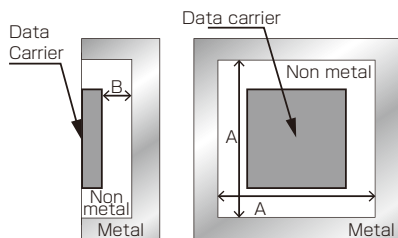
■ Installation in side-by-side

The minimum distance D between two Data carriers must be kept.

■ Permissible inclination

The sensing surfaces of Read/write head and Data carrier should be installed in parallel.

If the inclination of Data carrier to Read/write head becomes over 10 degrees, read/write distance and offset will decrease.



(mm)

	A	B	C
Z3 series	200	60	200
Z5 series	70	0(20)	70

- Be sure that the surface of the data carrier does not lower than the surface of the surrounding metal.
- "Metal mount" means directly mounted on the metal. but it refers to the absence of metal around except rear of the Data carrier
- Value in () shows the required space to keep the communication distance as same as no-metal mounting.
- There is a possibility that the communication distance is shorter if you do not observe the conditions of the surrounding metal. Please note that different in the environment to be used.