

■ **FRAM memory 2 kbyte**

**Functional principle**

The HF read/write heads operating at a frequency of 13.56 MHz, form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and data carrier.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.


The read/write distances of data carriers suitable for mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal)

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

<b>Type code</b>	TW-BS10X1.5-19-K2
Ident no.	6901380
<b>Data transfer</b>	inductive coupling
Operating frequency	13.56 MHz
Memory type	FRAM
Chip	Fujitsu MB89R118
Memory	2048 byte
Memory	read/write
Freely usable memory	2000 byte
Number of read operations	unlimited
Number of write operations	10 <sup>10</sup>
Typical read time	0.5 ms/byte
Typical write time	0.5 ms/byte
Radio communication and protocol standards	ISO 15693
<b>Ambient temperature</b>	-25...+85 °C
<b>Housing material</b>	metal/plastic, S235JRG2/LCP
Material active area	Plastic, yellow, LCP
Protection class	IP68
<b>Packaged quantity</b>	1
Special features	data carrier, can be screwed in metal

Compatible handhelds

	<p><b>PDA-IDENT</b> 1542344</p> <p>The handheld can be used with two different antennas. Internal antenna, PDA-IDENT-IA, 1542345 External antenna, PDA-IDENT-EA, 1542346</p>	
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