

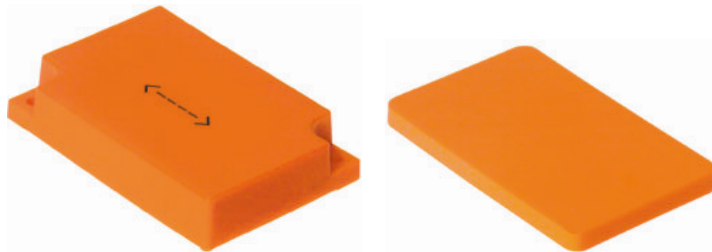
BALOGH



TAM Tag Series

High Speed Read/Write Tags

Passive RFID Tags



Characteristics

- Memory: 8K Byte (8 Byte Blocks)
- 32K Byte (8 Byte Blocks)
- Memory Address: 0H – 1FFFH (1024 Blocks)
- 0H – 7FFFH (4096 Blocks)
- Operating Frequency: 13.56 MHz
- FRAM Memory
- Storage Temperature: -40 to +85 °C
- Operating Temperature: -25 to +85 °C
- Packaging Protection Class: IP67
- Bit Rate: 26 kbits/s, 52 kbits/s
- Data transfer: 0.8 ms/byte @ 26 kbits/s
- 0.3 ms/byte @ 52 kbits/s
- Read/Write Cycles: >10¹⁰
- Data Retention: >45 Years @ +85C
- Casing: Rilsan

General Features:

The TAM tag series is in compliance with the standards ISO 18000-3 mode 1 and ISO 15693. The tags are completely passive getting all energy for communications from a compatible BALOGH transceiver (see list of transceivers below). A BALOGH interface will use the tag reference “MC” for the TAM series tags ex: BIDN/MCMC. The data transfer rate is 26 kbits/s when using a compatible BALOGH interface and in 8 byte blocks or BALOGH 52 kbits/s protocol when using the Mono-Block MOF Series products. When using the BALOGH 52 kbits/s protocol data on the tag can be read or written Byte by Byte.

Mounting:

A TAM tag must have a minimum clearance from metal on all sides of 10mm and cannot be recessed in a metal cavity. A minimum distance must also be maintained between two tags to prevent any read/write errors caused by two tags in the same reader field. This figure can be found on the transceiver data sheet.

Compatible Transceiver Part Numbers

TCF-40 *
TCF-100*
MOF-100M/485* (MonoBloc)

TAM Tag Part Numbers Dimensions

TAM-931/8K TAM-931/32K (75mm x 50mm x 15mm)
TAM-861/8K TAM-861/32K (85 mm x 54mm x 7mm)

*Indicates Not Pictured