MAINtag

a **TXCOM** brand
G R O U P

CERAtag D10

ATA Spec 2000 Chap 9-5 – TDS 1.11
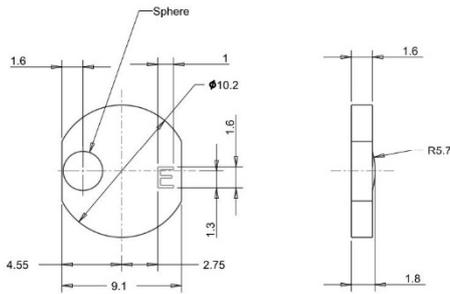ISO-18000-6C
EPC Class1 Gen2 V2.0

The CERAtag D10 is part of our range of compact ceramic tags. With a consistent size, they operate more efficiently and are readable at greater distances than conventional tags.

The CERAtag D10 is a passive 64 kbite RFID tag which is compliant with the ATA Spec 2000 Chap 9-5 EPC Class1 Gen2 V2.0 standard as well as the ISO-18000-6C standard. It is capable of withstanding extreme temperatures (-55°C/+150°C) and it has a memory with a service life which can exceed 30 years at 50°C. Its compact dimensions (10 x 1.6mm) mean that it can be installed on narrow metallic surfaces. Communication with the chip, including access to the user memory, works with any standard compatible Gen2 reader.
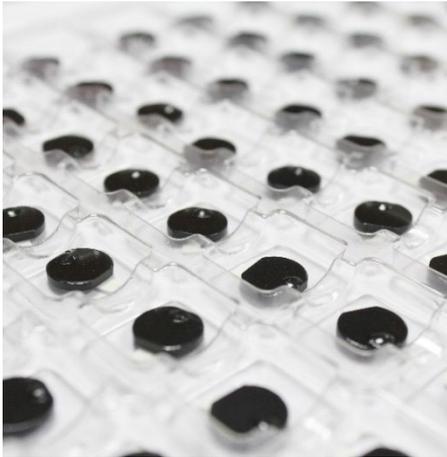
Thanks to its large memory capacity and its limited dimensions, the CERAtag D10 is ideal for equipment which requires regular maintenance. These can then be logged in the chip. Bonded using powerful adhesives en nitto 5000ns, CERAtagD10 tags can be used both indoors and outdoors.

APPLICATIONS

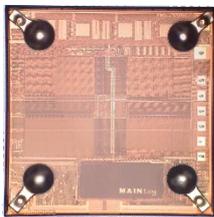The CERAtag D10 is a small ceramic tag intended to withstand harsh environments.

Its solidity, compact size and large memory make it ideal for storing material maintenance logs.

ORDER CODE

CERAtag D10   13041

www.maintag.com

SPECIFICATIONS

Reference: 13041

CHARACTERISTICS

Print	CERAtag D10 [13041]: D10 x 1.6mm
Reading distance	CERAtag D10 [13041]: Up to 1.8m in EU frequency
Norms/standards	ATA Spec 2000 , Chap 9-5 ISO-18000-6C EPC Class1 Gen2 V2.0
Hertzian interface	Fully passive design, EPCglobal Class 1 Gen. 2 Compliant with ISO 18000-6C. 850 to 940 Mhz
Memory	User: 64kbits
Bit rate on reception	Min 26 kbit/s - Max 128 kbit/s
Bit rate on transmission (PSK)	40 kbit/s min. to 640 kbit/s max.
Memory duration	Data retention for a minimum of 20 years
Weight	CERAtag D10 [13041]: 0.7+/-0.2g
Survival temperature	-55° C / -67° F to + 150° C / 302° F, RTCA DO-160 section 4 - category D2
Operating temperature	-40° C / -40° F to + 85° C / 185° F, RTCA DO-160 section 4 - category D2
Flammability	Vertical combustion: 14 CFR, section 25.853 paragraph a) and appendix F, part 1 point a) 1)ii)
Adhesive	Nitto 5000ns

FLYchip® Multi-Record

Ultra High Frequency Chip (UHF)

64kbits
Minimum reading power: -15dBm
TXCOM's RFID chip FLYchip, which uses the latest UHF technology, is a benchmark product for industries with high requirements.

The CERAtag range

The CERAtag range is one of the latest innovations from the MAINtag brand. It consists solely of compact ceramic tags and is aimed at markets with high requirements which are looking for technological solutions to track maintenance and the secure traceability of their equipment.

The use of ceramic as a material allows the tag to function more effectively and permits a more extensive reading distance than a classic tag of the same size.

CERAtag D10
13041

CERAtag untraceable
13036

CERAtag stick
13046