

Maxdura Disc

Overview

Maxdura Discs

Frequency Band

HF 13.56 MHz

LF 125 kHz

Chip

ATMEL ATA5577

Fujitsu FRAM 2k rev.C

NXP ICODE SLIX

NXP ICODE SLIX 2

Antenna Dimensions

Ø 20 mm / 0.78 in

Ø 30 mm / 1.18 in

Ø 50 mm / 1.97 in

International Standard

ISO 18000-3 Mode 3

ISO 15693

Industry Segments

Industrial Applications

Healthcare

Logistics

Automotive

Applications

Supply Chain Management



The right choice for demanding conditions

Our Maxdura[®] Disc product family is a robust solution purpose-built for use in severe industrial environments.

Made of polyamide and glass fiber reinforced, the tag is the right choice for outside applications as it is very compact and resistant. It is ideal for items that need to be securely identified and that are regularly subjected to high thermal and/or mechanical stress conditions. Examples include items that pass hot water cleaning processes or are used in other high temperature environments found in some heavy industries.

Maxdura[®] Disc with Fujitsu FRAM IC is especially designed for different kinds of medical applications due to the bigger memory size and resistance to gamma radiation.

Thanks to its new molding and specific modified thermoplastic, the Maxdura[®] Disc can withstand long water immersion, chemicals and high temperatures. Equipped with an anti-collision feature it offers the advantage that several tags can be read at the same time thus accelerating and simplifying processes.



Technical features

Chip	NXP ICODE SLIX	NXP ICODE SLIX	NXP ICODE SLIX	Fujitsu FRAM 2k rev.C	Fujitsu FRAM 2k rev.C	NXP ICODE SLIX 2	ATMEL ATA5577	Fujitsu FRAM 2k rev.C	Fujitsu FRAM 2k rev.C
Total Memory	1000-bit	1000-bit	1000-bit	16,000-bit	16,000-bit	2528-bit	2528-bit	16,000-bit	–
TID Memory	Available for all								
Product Code	3002556	3002557	3002558	3002559	3002560	3006820	3003509	3002561	3006588
Hard Tag Dimension	Ø 20 mm 0.78 in	Ø 30 mm 1.18 in	Ø 50 mm 1.97 in	Ø 20 mm 0.78 in	Ø 30 mm 1.18 in	Ø 20 mm 0.78 in	Ø 20 mm 0.78 in	Ø 50 mm 1.97 in	–
Frequency Band	HF 13.56 MHz LF 125 kHz								
Thickness	3 mm 0.12 in	3 mm 0.12 in	3.60 mm 0.14 in	3 mm 0.12 in	3 mm 0.12 in	3 mm 0.12 in	3 mm 0.12 in	3.60 mm 0.14 in	3 mm 0.12 in
Housing Material	PA+GF30%								
Color	Black								
Operating Temperature	-35 °C to 85 °C -31 °F to 185 °F	-35 °C to 85 °C -31 °F to 185 °F	-35 °C to 85 °C -31 °F to 185 °F	-40 °C to 85 °C -4 °F to 185 °F	-40 °C to 85 °C -4 °F to 185 °F	-35 °C to 85 °C -31 °F to 185 °F	-40 °C to 85 °C -40 °F to 185 °F	-40 °C to 85 °C -4 °F to 185 °F	-40 °C to 85 °C -4 °F to 185 °F
Storage Temperature	-40 °C to 10 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-40 °C to 100 °C -40 °F to 212 °F	-35 °C to 100 °C -31 °F to 212 °F	-35 °C to 100 °C -31 °F to 212 °F
Quantity / Package	1000 pcs / box	1000 pcs / box	250 pcs / box	1000 pcs / box	1000 pcs / box	1000 pcs / box	1000 pcs / box	250 pcs / box	1000 pcs / box
Certificates	IP67								

