



Main

Range of product	OsiSense XG
Product or component type	Electronic tag
RFID electronic tag name	XGHB
RFID frequency	13.56 MHz
Design	ISO badge
Memory capacity	256 B
Associated smart antenna	XGCS
[Sn] nominal sensing distance	3.94 in (100 mm) XGCS89 5.91 in (150 mm) XGCS49 + field expander XGFEC2525 2.76 in (70 mm) XGCS49 3.54 in (90 mm) XGCS49 + field expander XGFEC540 3.94 in (100 mm) XGCS85
Outer dimension	54 x 85.5 x 1 mm
Quantity per set	Set of 10
Read time	12 + 0.825 x (number of 16-bit words) ms
Write time	20 + 11.8 x (number of 16-bit words) ms
IP degree of protection	IP65

Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	100000 -13...122 °F (-25...50 °C) 2500000 86 °F (30 °C)
Maximum linear speed with "auto read/write function"	1.97 ft/s (0.6 m/s) XGCS49 read or write 10 words) 17.39 ft/s (5.3 m/s) XGCS49 read a serial number) 5.25 ft/s (1.6 m/s) XGCS49 read a word) 23.29 ft/s (7.1 m/s) XGCS89 read a serial number) 13.12 ft/s (4 m/s) XGCS89 read a word)

2.62 ft/s (0.8 m/s) XGCS89 read or write 10 words)
 23.29 ft/s (7.1 m/s) XGCS85 read a serial number)
 13.12 ft/s (4 m/s) XGCS85 read a word)
 2.62 ft/s (0.8 m/s) XGCS85 read or write 10 words)

Data retention time	10 year(s)
Material	PVC (polyvinyl chloride)
Net weight	0.01 lb(US) (0.005 kg)

Environment

Standards	ISO 15693
Ambient air temperature for operation	-13...122 °F (-25...50 °C)
Ambient air temperature for storage	-40...131 °F (-40...55 °C)
Vibration resistance	2 mm 5...29.5 Hz)EN 60068-2-6 7 gn 29.5...150 Hz)EN 60068-2-6
Shock resistance	30 gn 11 ms EN 60068-2-27
IK degree of protection	IK02 EN 50102

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	0.18 oz (5 g)
Package 1 Height	0.39 in (1 cm)
Package 1 width	2.17 in (5.5 cm)
Package 1 Length	3.54 in (9 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	500
Package 2 Weight	6.78 lb(US) (3.076 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
RECh Regulation	RECh Declaration
RECh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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Dimensions

mm
in.

