



## Main

Range of product	OsiSense XG
Product or component type	Electronic tag
RFID electronic tag name	XGHB
RFID frequency	13.56 MHz
Design	Flat form 26 x 26 x 13
Memory capacity	256 B
Associated smart antenna	XGCS
[Sn] nominal sensing distance	1.57 in (40 mm) XGCS49 1.65 in (42 mm) XGCS49 + field expander XGFEC2525 2.17 in (55 mm) XGCS89 2.17 in (55 mm) XGCS85
Outer dimension	26 x 26 x 13 mm
Quantity per set	Set of 1
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	IP68
Fixing mode	By screws By clips

## Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	100000 -13...158 °F (-25...70 °C) 2500000 86 °F (30 °C)
Maximum linear speed with "auto read/write function"	9.19 ft/s (2.8 m/s) XGCS49 read a serial number) 2.62 ft/s (0.8 m/s) XGCS49 read a word) 0.98 ft/s (0.3 m/s) XGCS49 read or write 10 words) 13.78 ft/s (4.2 m/s) XGCS89 read a serial number)

8.53 ft/s (2.6 m/s) XGCS89 read a word)  
 1.64 ft/s (0.5 m/s) XGCS89 read or write 10 words)  
 13.78 ft/s (4.2 m/s) XGCS85 read a serial number)  
 8.53 ft/s (2.6 m/s) XGCS85 read a word)  
 1.64 ft/s (0.5 m/s) XGCS85 read or write 10 words)

Data retention time	10 year(s)
Mounting location	Possible on metal support
Material	PBT (polybutylene terephthalate)
Net weight	0.06 lb(US) (0.025 kg)

## Environment

Standards	ISO 15693
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °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	0.74 oz (21 g)
Package 1 Height	0.79 in (2 cm)
Package 1 width	2.36 in (6 cm)
Package 1 Length	3.54 in (9 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Weight	26.88 oz (762 g)
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
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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