



1) Sensing surface



Basic features

Antenna type	Dipole
Approval/Conformity	CE WEEE
Principle of operation	Data carrier
Standards	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

Electrical data

Data retention time/years	≥ 50
Polarization	linear
Preferred application	866...868 MHz
Programming cycles	up to 25 °C: 100,000
Read cycles	Unlimited
Working frequency	866...868 MHz

Environmental conditions

Ambient temperature	-20...85 °C
EN 60068-2-27, Shock	MIL STD 810-F
IP rating	IP68
Storage temperature	-20...85 °C

Functional Characteristics

EPC memory, read/write	96 Bit
Memory type	EEPROM
TID memory, read-only	64 Bit
User data, read/write	512 Bit

Material

Housing material	Oxide ceramics
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Mechanical data

Application weight	1.60 g
Dimension	7.1 x 3.1 x 13.1 mm
Installation	on metal

Remarks

Values are under rated conditions unless otherwise specified.
 For application on metal