



1) Sensing surface



### Basic features

<b>Antenna type</b>	Dipole
<b>Approval/Conformity</b>	CE WEEE EAC
<b>Principle of operation</b>	Data carrier
<b>Standards</b>	EPCglobal™ Class 1, Gen 2 V2 ISO 18000-63

### Electrical data

<b>Data retention time/years</b>	≥ 50 at 85 °C
<b>Polarization</b>	linear
<b>Preferred application</b>	866...868 MHz
<b>Programming cycles</b>	up to 25 °C: 100,000
<b>Read cycles</b>	Unlimited
<b>Working frequency</b>	866...868 MHz

### Environmental conditions

<b>Ambient temperature</b>	-20...85 °C
<b>EN 60068-2-27, Shock</b>	MIL STD 810-G
<b>EN 60068-2-6, Vibration</b>	MIL STD 810-G
<b>IP rating</b>	IP68
<b>Storage temperature temporary</b>	-20...235 °C 1x700 h

### Functional Characteristics

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

### Material

<b>Housing material</b>	Ceramic
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### Mechanical data

<b>Application weight</b>	1.60 g
<b>Dimension</b>	7.8 x 3.1 x 13.1 mm
<b>Installation</b>	on metal

### Remarks

Values are under rated conditions unless otherwise specified.  
 For application on metal  
 Self-adhesive attachment not suitable for high temperature applications. Consult adhesive datasheet for recommended temperature ratings.