

# Transponder

## Glass TAG

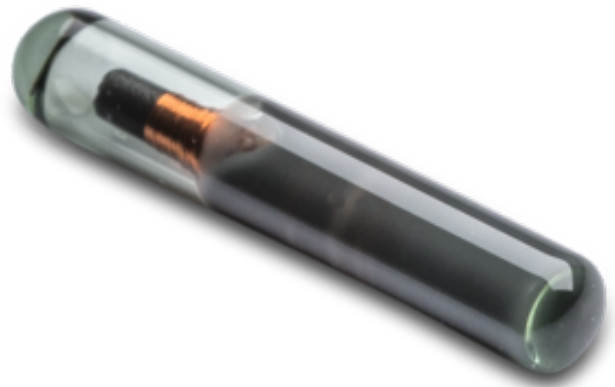
### PART ID:

# 1024-01-101-00

Embeddable RFID Glass Tags with high chemical resistance and exceptional performance

### Main Specifications

Material	Glass
Operating Temperature	-25°C to 85°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	Small Size, Heat Tolerant, Versatile, High Durability



### Chip Specification (Chip 101)

Chip	Atmel - Q5
Frequency	125 kHz ( LF )
Memory	UID 32bit; User 224 Bit
Norm	

### Full Specifications

Product ID	1024
Material	Glass
Shape	Potted
Short Description	Embeddable RFID Glass Tags with high chemical resistance and exceptional performance
Long Description	Glass Tag transponders can be easily inserted or molded into a variety of materials, to enable automated asset identification and management applications using RFID. The inherent properties of glass protect embedded electronics from exposure to harsh chemicals, ensure that tag readability is unaffected by immersion in liquids, and provide excellent stability over fluctuating temperatures.
Key Features	Small Size, Heat Tolerant, Versatile, High Durability
Main Use	Embeddable RFID
Article Type	Glass TAG
Color	Transparent
Diameter [mm]	2.12
Length [mm]	12
Operating Temp °C (min)	-25
Operating Temp °C (max)	85

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Where application information is given, it is only advisory and does not form part of the specification.

Storage Temp °C (min)	-40
Storage Temp °C (max)	90
Peak Temp I / °C	120
Peak TIME I [h]	100
Peak Temp II / °C	140
Peak TIME II [h]	10
High Temp	yes
Food compatible	yes
IP Class	IP68
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Attachment Method	Embed
Compliance	RoHs & Reach, CE

## VARIANTS AND ICS

ID	Variant	Band	Type	ISO
1024-01-152-00	2.12 x 12 mm	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
1024-01-112-00	2.12 x 12 mm	LF	HITAG S 256	ISO/IEC 11784 & 11785 & 14223
1024-01-113-00	2.12 x 12 mm	LF	HITAG S 2048	ISO/IEC 11784 & 11785 & 14223
1024-01-269-00	2.12 x 12 mm	HF	Vigo	ISO 15693
1024-01-101-00	2.12 x 12 mm	LF	Q5	
1024-02-152-00	3.15 x 13.3mm	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
1024-02-112-00	3.15 x 13.3mm	LF	HITAG S 256	ISO/IEC 11784 & 11785 & 14223
1024-02-113-00	3.15 x 13.3mm	LF	HITAG S 2048	ISO/IEC 11784 & 11785 & 14223
1024-02-101-00	3.15 x 13.3mm	LF	Q5	
1024-02-103-00	3.15 x 13.3mm	LF	EM 4550	ISO/IEC 11784/85 Compatible
1024-02-154-00	3.15 x 13.3mm	LF	Nova	
1024-03-152-00	4 x 22mm	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
1024-03-112-00	4 x 22mm	LF	HITAG S 256	ISO/IEC 11784 & 11785 & 14223
1024-03-264-00	4 x 22mm	HF	ICODE SLIX 2	ISO/IEC 15693 & 18000-3
1024-04-164-00	3.85 x 22.5mm	LF	SIC 279/7999	ISO 11784/11785 HDX
1024-05-153-00	1.4 x 8mm	LF	EM4305	ISO/IEC 11784/85 Compatible
1024-06-153-00	2.12 x 9mm	LF	EM4305	ISO/IEC 11784/85 Compatible