

Transponder

Glass TAG

PART ID:

1043-01-112-00

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 112)

Chip	NXP - HITAG S 256
Frequency	125 kHz (LF)
Memory	UID 4 Byte; User 256 Bit
Norm	ISO/IEC 11784 & 11785 & 14223

Full Specifications

Product ID	1043
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]	4
Length [mm]	21.7
Operating Temp °C (min)	-25

©TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.

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

Operating Temp °C (max)	85
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
1043-01-112-00	4x21.7mm	LF	HITAG S 256	ISO/IEC 11784 & 11785 & 14223
1043-01-152-00	4x21.7mm	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
1043-01-264-00	4x21.7mm	HF	ICODE SLIX 2	ISO/IEC 15693 & 18000-3