Transponder

Glass TAG

PART ID:

1024-01-153-00

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 153)

Chip	EM Marin - EM4305
Frequency	134.2 kHz (LF)
Memory	UID 32 Bit; User 512 Bit
Norm	ISO/IEC 11784/85 Compatible
Comment	BDE Waste FDX-B

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

© 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.

TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

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
1024-01-152-00	2.12 x 12 mm	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
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	
1024-01-153-00	2.12 x 12 mm	LF	EM4305	ISO/IEC 11784/85 Compatible

© 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.

TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10