

Transponder ON METAL

Square TAG

PART ID:

2051-02-811-00

Robust, RAIN® UHF tag designed to be welded on steel kegs to deliver long read ranges worldwide. Laser engraving with bar code and/or logo possible.

Main Specifications

Material	Polyamid
Operating Temperature	-40°C to 85°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	ON-Metal Use, Rough Environment, High Durability



Chip Specification (Chip 811)

Chip	Impinj/NXP - M730/ICODE SLIX
Frequency	13.56 MHz, 860~960 MHz (HF UHF)
Memory	128 bit EPC + 96 bit TID (UHF) + 2560 bits user memory (HF)
Norm	ISO 18000-63 / EPC Gen2 V2, ISO 15693

Full Specifications

Product ID	2051
On Metal Use	yes
Material	Polyamid
Shape	Overmolded
Short Description	Robust, RAIN® UHF tag designed to be welded on steel kegs to deliver long read ranges worldwide. Laser engraving with bar code and/or logo possible.
Long Description	Durable – built to withstand the rigors of reusable container processing. Enhanced efficiency – enable simultaneous reading of multiple containers, decreasing processing time while increasing accuracy. Anti-collision enables simultaneous reading of multiple tags. Highly durable mount via welding on steel. Designed to withstand harsh washing cycles, including caustic soda. RAIN (UHF) Broadband for international use 860 to 960 MHz (EU, US, JP) Read range up to 32.8 ft (10 m) Optional combination with NFC, up to 2560 bits EEPROM. Curved for optimal fit to kegs and cylinders.
Key Features	ON-Metal Use, Rough Environment, High Durability
Main Use	Asset Tracking

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Article Type	Square TAG
Color	Grey
Weight [g]	20
Operating Temp °C (min)	-40
Operating Temp °C (max)	85
Storage Temp °C (min)	-40
Storage Temp °C (max)	85
IP Class	IP68
Chemical Resistance	Mineral oil, petroleum, salt mist, vegetable oil
Flame Resistance	Not Specified
Mechanical Resistance	IK 07
Attachment Method	Weld
Compliance	RoHs & Reach, CE

VARIANTS AND ICS

ID	Variant	Band	Type	ISO
2051-01-368-00	52x26.5x21.4mm, curved	UHF	Monza R6	ISO 18000-6C / EPC Gen2 V2
2051-02-366-00	88x37x15mm, curved	UHF	M730	ISO 18000-6C / EPC Gen2 V2
2051-02-811-00	88x37x15mm, curved		M730/ICODE SLIX	ISO 18000-63 / EPC Gen2 V2, ISO 15693