

# Transponder ATEX

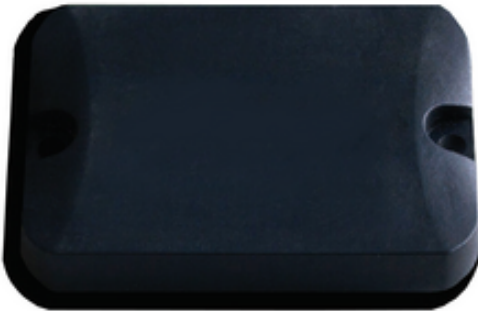
## Square TAG

**PART ID:**  
**3020-01-349-00**

ATEX Zone 1 / 21 certified 51 x 36 x 8 mm UHF ON METAL RFID HT TAG

### Main Specifications

Material	Polyamid
Operating Temperature	-40°C to 60°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	ON-Metal Use, Rough Environment, Heat Tolerant, High Durability
Options	Adhesive, Laser Engraving, Logo



### Chip Specification (Chip 349)

Chip	Alien - Higgs 3
Frequency	869 MHz ( UHF )
Memory	TID 64 Bit; EPC 96 Bit; User 512 Bit
Norm	ISO 18000-6C / EPC Gen2 V2

### Full Specifications

Product ID	3020
Atex	yes
On Metal Use	yes
Material	Polyamid
Shape	Overmolded
Short Description	ATEX Zone 1 / 21 certified 51 x 36 x 8 mm UHF ON METAL RFID HT TAG
Long Description	The ATEX Zone 1 / 21 certified UHF ON METAL RFID HT TAG 51 x 36 x 8 mm has been developed for rugged environment. Applications in hazardous areas ATEX Zone 1 (Gas) and Zone 21 (Dust), where long read range of up to 10 m are required, are predestinated. The ATEX transponder contains a Read Write memory of 512 bit, so needed update data could be programmed during the supply chain. Thee 96 bit EPC coding can be expanded up to 480 bits. The unalterable 64-bit serial number and unique UID provides the code carrier function only. The ATEX UHF transponder can be programmed by using the TECTUS Desktop reader (non EX). For the field application TECTUS offers ATEX Zone 1 / 21 or Zone 2 certified handheld computers. The stationary TECTUS ATEX UHF reader in cooperation with the suitable

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	external ATEX antennas allows users the reading of ATEX TAGs in hazardous area ATEX Zone 2 / 22.
Key Features	ON-Metal Use, Rough Environment, Heat Tolerant, High Durability
Options	Adhesive, Laser Engraving, Logo
Article Type	Square TAG
Color	Black
Length [mm]	51
Width [mm]	36.3
Thickness [mm]	7.5
Weight [g]	26
Hole	yes
Operating Temp °C (min)	-40
Operating Temp °C (max)	60
Storage Temp °C (min)	-40
Storage Temp °C (max)	60
IP Class	IP68
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Attachment Method	Screw/Rivet
Compliance	RoHs & Reach, CE

## VARIANTS AND ICS

ID	Variant	Band	Type	ISO
3020-01-349-00	51x36.3x7.5mm	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2