

# Transponder ON METAL

## PCB TAG

**PART ID:**  
**2041-01-349-00**

Read Range Fix Reader: up to 4.7m - (US) 902-928MHz, on metal up to 4.5m - (EU) 865-868MHz, on metal Handheld Reader: up to 2.7m - (US) 902-928MHz, on metal up to 2.5m - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device

### Main Specifications

Material	FR4
Operating Temperature	-40°C to 100°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	ON-Metal Use, Asset Tracking, Heat Tolerant, Versatile
Options	Color



### 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	2041
On Metal Use	yes
Material	FR4
Shape	Potted
Long Description	Read Range Fix Reader: up to 4.7m - (US) 902-928MHz, on metal up to 4.5m - (EU) 865-868MHz, on metal Handheld Reader: up to 2.7m - (US) 902-928MHz, on metal up to 2.5m - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device
Key Features	ON-Metal Use, Asset Tracking, Heat Tolerant, Versatile
Options	Color
Article Type	PCB TAG
Color	Black
Length [mm]	36
Width [mm]	13

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Thickness [mm]	3.5
Weight [g]	4.2
Operating Temp °C (min)	-40
Operating Temp °C (max)	100
Storage Temp °C (min)	-40
Storage Temp °C (max)	150
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
2041-01-349-00	36x13x3.5mm, Hole D2mm	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2

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