

# Transponder ON METAL

## PCB TAG

**PART ID:**  
**2042-01-349-00**

Read Range Fix Reader: up to 2.8m- (US) 902-928MHz, on metal up to 2.5m - (EU) 865-868MHz, on metal Handheld Reader: up to 1.9m - (US) 902-928MHz, on metal up to 1.7m - (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	Ultra Thin, ON-Metal Use, Asset Tracking, Heat Tolerant
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	2042
On Metal Use	yes
Material	FR4
Shape	Potted
Long Description	Read Range Fix Reader: up to 2.8m- (US) 902-928MHz, on metal up to 2.5m - (EU) 865-868MHz, on metal Handheld Reader: up to 1.9m - (US) 902-928MHz, on metal up to 1.7m - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device
Key Features	Ultra Thin, ON-Metal Use, Asset Tracking, Heat Tolerant
Options	Color
Article Type	PCB TAG
Color	Black
Length [mm]	50
Width [mm]	10

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Thickness [mm]	1.6
Weight [g]	1.5
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
2042-01-349-00	50x10x1.6mm with IC bump	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2

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