

# Transponder ON METAL

## PCB TAG

### PART ID:

**2040-01-349-00**

Read Range Fix Reader: 320cm - (US) 902-928MHz, on metal  
280cm - (EU) 865-868MHz, on metal Handheld Reader: 240cm -  
(US) 902-928MHz, on metal 230cm - (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, Heat Tolerant, Versatile



### 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	2040
On Metal Use	yes
Material	FR4
Shape	Potted
Long Description	Read Range Fix Reader: 320cm - (US) 902-928MHz, on metal 280cm - (EU) 865-868MHz, on metal Handheld Reader: 240cm - (US) 902-928MHz, on metal 230cm - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device
Key Features	ON-Metal Use, Heat Tolerant, Versatile
Article Type	PCB TAG
Color	Black
Diameter [mm]	20
Thickness [mm]	2.8
Weight [g]	1.9
Operating Temp °C (min)	-40

© 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.

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	Embed
Compliance	RoHs & Reach, CE

## VARIANTS AND ICS

ID	Variant	Band	Type	ISO
2040-01-349-00	D20x2.8mm with IC bump	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2