

# Transponder ON METAL

## PCB TAG

**PART ID:**  
**2043**

Read Range Fix Reader: 68cm - (US) 902-928MHz, on metal 70cm - (EU) 865-868MHz, on metal Handheld Reader: 53cm - (US) 902-928MHz, on metal 55cm - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device

### Main Specifications

Frequencies	<b>LF HF UHF</b>
Material	FR4
Operating Temperature	-40°C to 150°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	ON-Metal Use, Asset Tracking, Heat Tolerant



### Full Specifications

Product ID	2043
On Metal Use	yes
Material	FR4
Shape	Potted
Long Description	Read Range Fix Reader: 68cm - (US) 902-928MHz, on metal 70cm - (EU) 865-868MHz, on metal Handheld Reader: 53cm - (US) 902-928MHz, on metal 55cm - (EU) 865-868MHz, on metal Reading range depends on the environment and the reading device
Key Features	ON-Metal Use, Asset Tracking, Heat Tolerant
Article Type	PCB TAG
Color	Black
Length [mm]	42
Width [mm]	15
Thickness [mm]	2.8
Weight [g]	3.5
Hole	yes
Operating Temp °C (min)	-40
Operating Temp °C (max)	150
Storage Temp °C (min)	-40
Storage Temp °C (max)	200
Peak Temp I / °C	280

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Peak TIME I [h]	50
Peak Temp II / °C	250
Peak TIME II [h]	150
High Temp	yes
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
2043-01-349-00	42x15x2.8mm with IC bump	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2