

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 | LF HF UHF |
| 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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Where application information is given, it is only advisory and does not form part of the specification.

| | |
|-----------------------|------------------|
| 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 |