

## Model W6154M-HT RFID Tag      Specifications & Data Sheet

The Model W6154M-HT high temperature Tag is capable of surviving the unprecedented temperature of 400°C (752°F), providing identification and tracking capabilities never-before available in rugged or hazardous use-areas. This Tag can be mounted to any metallic surface by bolting, riveting, or welding and endure high pressure environmental conditions.

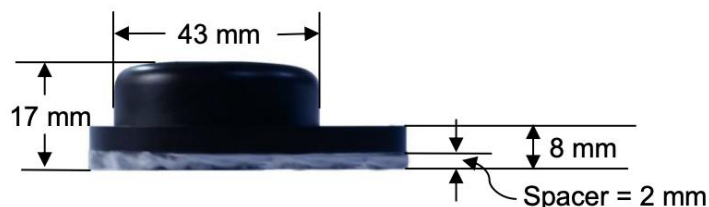
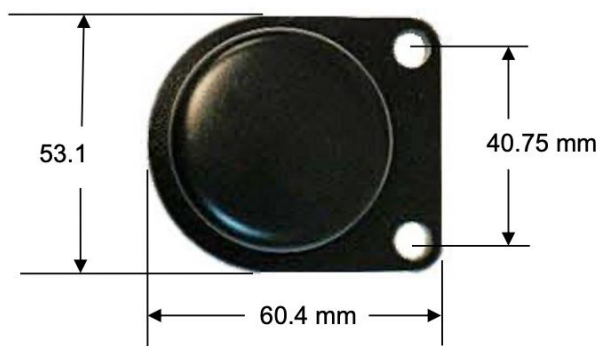


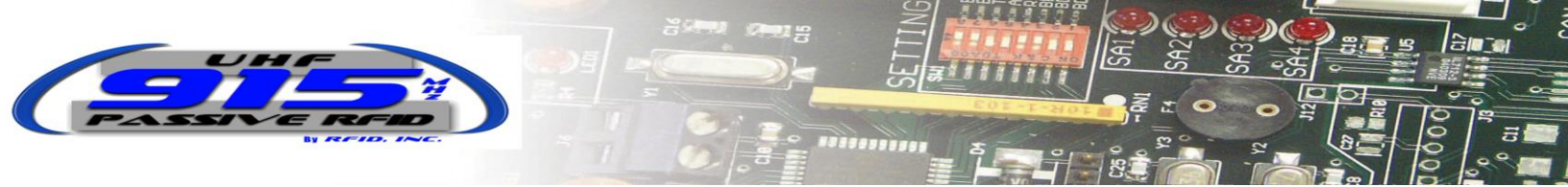
| Model Number | Part Number        | Description                                              | Read Range (on metal)                                       |
|--------------|--------------------|----------------------------------------------------------|-------------------------------------------------------------|
| W5944M-HT    | 807-0016-W6154M-HT | Model W6154M-HT Weldable Metal Mount High Temp 400°C Tag | A99H Antenna – 5'<br>A55C Antenna – 4'<br>A64C Antenna – 4' |

|                        |                    |                      |                              |
|------------------------|--------------------|----------------------|------------------------------|
| <b>Mechanical:</b>     | Measurements:      | 61x54x17mm           | 2.4"x2.1"x.67"               |
|                        | Material:          | Steel Shell          | Ceramic                      |
| <b>Certifications:</b> | Weight:            | 56.7 grams           | 2 ounces                     |
|                        | RoHS III           | REACH                | CE                           |
|                        | FCC Part 15 & ETSI | ATEX compliant, SIL2 | Free of BBP, DEHP, DBP, DIBP |

|                                       |               |                               |                             |
|---------------------------------------|---------------|-------------------------------|-----------------------------|
| <b>Monza X-8K Dura:</b><br><b>RF:</b> | TID – 96 bits | UID/EPC – 128 bits            | 8,192 bits                  |
|                                       | Standard:     | EPC Class1 Gen2               | ISO 18000-6C                |
|                                       | Frequency:    | 902 – 928 MHz (North America) | 860 – 870 MHz (EU, Japan)   |
|                                       | Power:        | Passive, no Battery           | Powered by Reader RF Signal |
| Chip Options (page 2):                |               | TID – 32 to 208 bits          | EPC – 0 to 496 bits         |
|                                       |               |                               | User – 0 to 61,400 bits     |

|                       |                     |                                 |                |
|-----------------------|---------------------|---------------------------------|----------------|
| <b>Environmental:</b> | Temp, Peak:         | +400°C / +752°F@1 hour duration |                |
|                       | Temp, Operating:    | -50°F to +185°F                 | -46°C to +85°C |
|                       | Life:               | 40 Year Shelf Life              | 100k Writes    |
|                       | Ingress Protection: | IP68                            |                |





#### Available UHF Memory Chips:

| Alien               | TID (ROM) | UID (EPC)      | User Memory    |
|---------------------|-----------|----------------|----------------|
| Higgs3              | 64 bits   | 96 to 480 bits | 512 bits       |
| Higgs4              | 64 bits   | 128 bits       | 128 bits       |
| HiggsEC             | 48 bits   | 96-128 bits    | 128 bits       |
| Higgs9              | 48 bits   | 496 bits       | 688 bits       |
| EM                  | TID (ROM) | UID (EPC)      | User Memory    |
| EM4123              | 64 bits   | 0 bits         | 0 bits         |
| EM4124              | 64 bits   | 96 bits        | 0 bits         |
| EM4126              | 32 bits   | 208 bits       | 0 bits         |
| EM4324              | 64 bits   | 96 bits        | 720 bits       |
| EM4325              | 48 bits   | 352 bits       | 3072 bits      |
| EM4423 dual NFC/UHF | 96 bits   | 64-160 bits    |                |
| Fujitsu (FRAM)      | TID (ROM) | UID (EPC)      | User Memory    |
| MB97R88110          | 208 bits  | 480 bits       | 61,400 bits    |
| MB97R88120/8130     | 208 bits  | 480 bits       | 61,400 bits    |
| MB97R8050           | 176 bits  | 160 bits       | 0 bits         |
| Impinj              | TID (ROM) | UID (EPC)      | User Memory    |
| M4D                 | 96 bits   | Up to 128 bits | 32 bits        |
| M4E                 | 96 bits   | Up to 496 bits | 128 bits       |
| M4QT                | 96 bits   | Up to 128 bits | 512 bits       |
| M4i                 | 96 bits   | Up to 256 bits | 480 bits       |
| MX-8k               | 96 bits   | Up to 128 bits | 8,192 bits     |
| Monza R6P           | 96 bits   | Up to 128 bits | Up to 64 bits  |
| Monza R6            | 96 bits   | 96 bits        | 0 bits         |
| Monza R6A           | 96 bits   | 96 bits        | 0 bits         |
| Monza R6B           | 96 bits   | Up to 128 bits | 32 bits        |
| Monza 5             | 96 bits   | 128 bits       | 32 bits        |
| M730                | 96 bits   | 128 bits       | 0 bits         |
| M750                | 96 bits   | 96 bits        | 32 bits        |
| NXP                 | TID (ROM) | UID (EPC)      | User Memory    |
| UCODE 7             | 48 bits   | 128 bits       | 0 bits         |
| UCODE 7m            | 48 bits   | 128 bits       | 32 bits        |
| UCODE 7xm           | 48 bits   | 448 bits       | 1024 bits      |
| UCODE 7xm+          | 48 bits   | 448 bits       | 2048 bits      |
| UCODE 8             | 96 bits   | 128 bits       | 0 bits         |
| UCODE 8m            | 96 bits   | 96 bits        | 32 bits        |
| UCODE 9             | 96 bits   | 96 bits        | 0 bits         |
| UCODE G2iL & G2iL+  | 64 bits   | 128 bits       | 0 bits         |
| UCODE G2iM          | 96 bits   | 256 bits       | 512 bits       |
| UCODE G2iM+         | 96 bits   | Up to 448 bits | Up to 640 bits |
| UCODE G2XM          | 64 bits   | 240 bits       | 512 bits       |
| UCODE G2XL          | 64 bits   | 240 bits       | 0 bits         |
| UCODE HSL           | 64 bits   | 0 bits         | 1680 bits      |

