



Model RS102152-R6 RFID Tag

Specifications & Data Sheet

The Model RS102152-R6 RFID enabled label is an industry standard size 4x6 inches. The label face is PP versus standard coated paper, a more durable option. Delivered in rolls of 500 on a standard 3-inch core roll, labels come standard with perforation and black demarcation line for ease of encoding/printing.

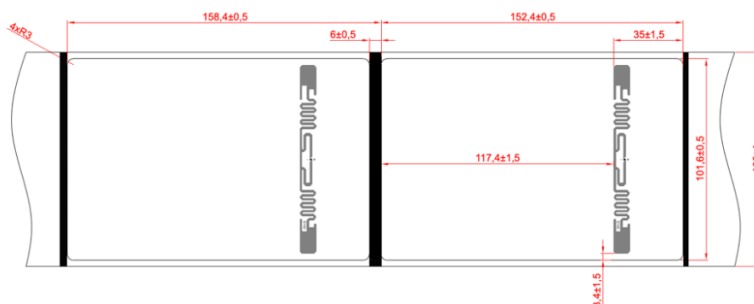


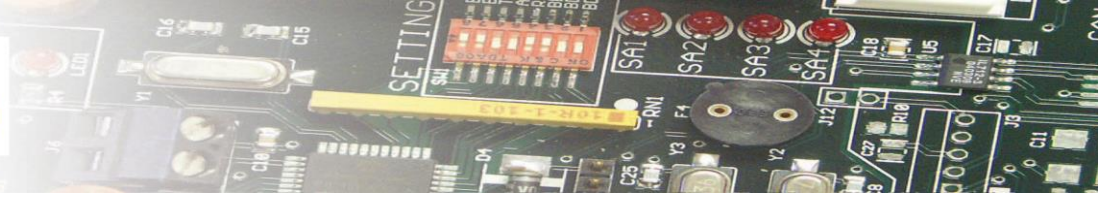
| Model Number | Part Number | Description | Read Range |
|--------------|--------------------------|---|---|
| RS102152-R6 | 807-0019- RS102152-R6 | Model RS102152-R6 Roll Stock Label, 101.6mm x 152.4mm | A99H Antenna - 32' A55C Antenna - 22' A64C Antenna - 7' |

| | | | |
|------------------------|--------------------|------------------------|---|
| Mechanical: | Measurements: | 101.6mm x 152.4mm | 4" x 6" |
| | Pitch/Liner: | 158.4 mm | HD70 Double Adhesive Glassine Liner-108 |
| | Antenna Size: | 95mm x 8mm | |
| | Material: | Pet w/aluminum antenna | Paper label w/adhesive backing |
| | Weight: | 0.0704 ounces | 2.0 grams |
| Certifications: | RoHS III | REACH | CE |
| | FCC Part 15 & ETSI | ATEX compliant, SIL2 | Free of BBP, DEHP, DBP, DIBP |

| | | | |
|------------------------|----------------------|-------------------------------|-----------------------------|
| Monza R6: | TID – 96 bits | UID/EPC – 96 bits | 0 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 |

| | | | |
|-----------------------|---------------------|--------------------|----------------|
| Environmental: | Storage Temp: | -40°F to +185°F | -40°C to +85°C |
| | Temp, Operating: | -40°F to +185°F | -40°C to +85°C |
| | Life: | 40 Year Shelf Life | 100k Writes |
| | Ingress Protection: | IP65 | |





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 HF NFC/UHF | 96 bits | 64-160 bits | 0 bits |
| EM4425 dual HF NFC/UHF | 96 bits | Up to 480 bits | Up to 2048 bits less EPC |
| 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 |

