

## Model A15023-H3 ABS RFID Tag

## Specifications & Data Sheet

ABS Tags offer a high impact protective covering well suited for pallet as well as outdoor applications requiring a robust IP68 waterproof encasement. Some packages contain an anti-ferrous material for direct metal mount capabilities, designated with an “M” suffix to model/part numbers. Inert to most chemicals, ABS RFID Tags are also capable of surviving salts, fuels, oils and fluctuating temperatures.

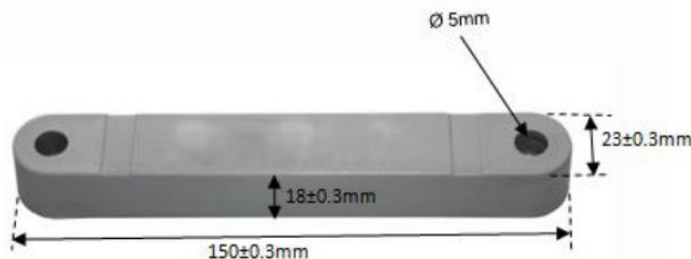


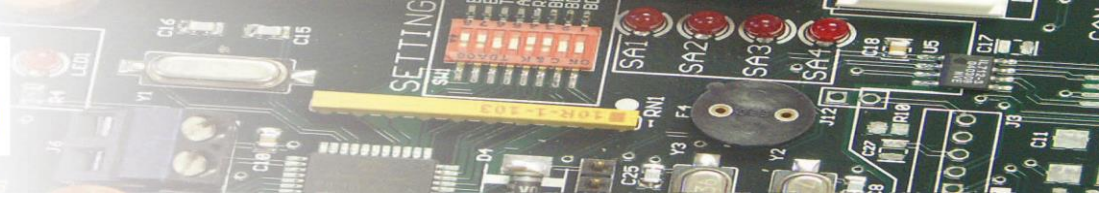
Model Number	Part Number	Description	Read Range (on/off metal)
A15023-H3	807-0002-A15023-H3	Model A15023-H3 ABS UHF RFID Tag, Metal Mount, w/mounting holes, with Alien Higgs3 chip	A99H Antenna – 13’/31’ A55C Antenna – 10’/13’ A64C Antenna – 6’/10’

<b>Mechanical:</b>	Measurements:	150x23x18mm	5.9”x.91”x.71”
	Material:	ABS	
<b>Certifications:</b>	Weight:	1.6 ounces	46 grams
	RoHS III	REACH	CE
	FCC Part 15 & ETSI	ATEX compliant, SIL2	Free of BBP, DEHP, DBP, DIBP

<b>Alien Higgs 3: RF:</b>	TID – 64 bits	EPC – 96-480 bits	User Memory - 512 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
<b>Chip Options (page 2):</b>	TID – 32 to 208 bits	EPC – 0 to 496 bits	User – 0 to 61,400 bits

<b>Environmental:</b>	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:	IP67 & IP68, Tag dependent	





**Available UHF Memory Chips:**

<b>Alien</b>	<b>TID (ROM)</b>	<b>UID (EPC)</b>	<b>User Memory</b>
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
<b>EM</b>	<b>TID (ROM)</b>	<b>UID (EPC)</b>	<b>User Memory</b>
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
<b>Fujitsu (FRAM)</b>	<b>TID (ROM)</b>	<b>UID (EPC)</b>	<b>User Memory</b>
MB97R88110	208 bits	480 bits	61,400 bits
MB97R88120/8130	208 bits	480 bits	61,400 bits
MB97R8050	176 bits	160 bits	0 bits
<b>Impinj</b>	<b>TID (ROM)</b>	<b>UID (EPC)</b>	<b>User Memory</b>
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
<b>NXP</b>	<b>TID (ROM)</b>	<b>UID (EPC)</b>	<b>User Memory</b>
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

