



## Model FPC7111-H3 UHF RFID Tag

## Specifications & Data Sheet

FPC (flexible printed circuit) Tags are made of insulating films providing a thin profile yet offering durable flexibility. FPC Tags are also capable of surviving high temperatures processes of up to 280°C (536°F) depending on exposure time and 200°C (392°F) indefinitely.



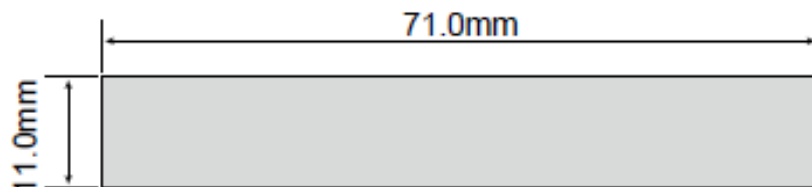
Model Number	Part Number	Description	Read Range (using Model A99H 9 dBi Antenna)
FPC7111-H3	807-0013-FPC7111-H3	Model FPC7111-H3 UHF RFID Tag, FPC flexible tag, no sticky backing, 71x11mm, Alien Higgs3 chip, UHF 865-928 MHz passive RFID	47'

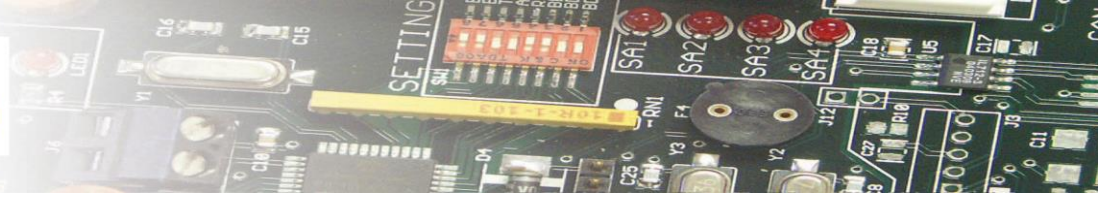
<b>Mechanical:</b>	Measurements:	71x11x.15mm	Chip bump is .6mm
	Material:	Polymide (PI) Insulated Film	Etched Copper Antenna
<b>Certifications:</b>	Weight:	0.2 grams	0.007 Ounces
	RoHS III	REACH	CE
	FCC Part 15	ETSI	Free of BBP, DEHP, DBP, DIBP

<b>Alien Higgs 3:</b>  See list of memory chips page 2 this sheet	TID - 64 bits	EPC – 96 to 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>Environmental:</b>	Temp, Storage:	-40°C to +200°C (up to 280°C)	-40°F to +392°F
	Temp, Operating:	-40°C to +100°C	-40°F to +212°F
	Life:	40 Years Shelf Life	100k Writes
	Ingress Protection:	IP68	

### Dimensions:





**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

