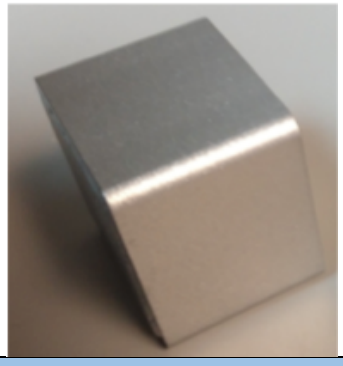
Model W2919-HT-MX8K UHF RFID Tag Specifications & Data Sheet

The Model W2919-HT-MX8K high temperature Tag is capable of surviving an 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 welding on ANY side and endure high pressure environmental conditions.

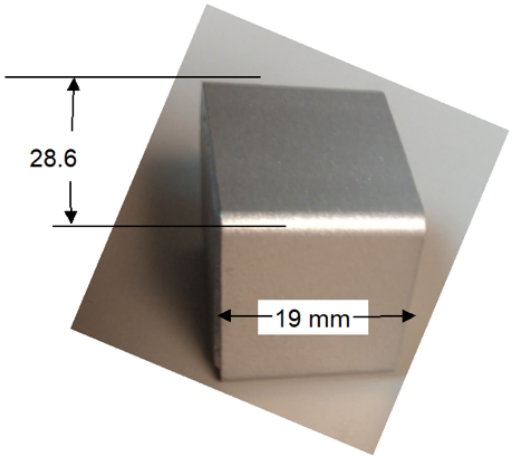


Model Number	Part Number	Description	Read Range (on metal)
Model W2919-HT-MX8K	807-0016-W2919HT-MX8K	Model W2919-HT-MX8K all metal square weldable RFID Tag	A99H Antenna - 12' A55C Antenna – 9' A64C Antenna - 18"

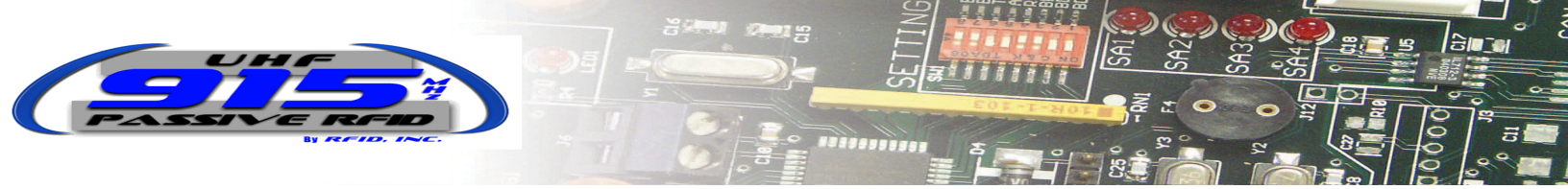
Mechanical:	Measurements:	28.6x28.6x19mm	1.13"x1.13"x.77"
	Material:	Steel Shell	Ceramic
	Weight:	148 grams	5.22 ounces
Certifications:	RoHS III	REACH	CE
	FCC Part 15 & ETSI	ATEX compliant, SIL2	Free of BBP, DEHP, DBP, DIBP

Monza X 8k:	TID – 96 bits	UID/EPC – 128 bits	8,192 bits
RF:	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:	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 write
	Ingress Protection:	IP68	



14190 E. Jewell Ave. Suite 4, Aurora, CO 80012 info@rfidinc.com | 303.366.1234 | www.rfidinc.com/ ver. 1/21



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