



The AcuTag Fit 220 high temperature tag is the smallest RFID tag capable of surviving application cycles of up to 235°C. The Fit 220's performance is not affected by its small dimensions and is the ideal solution for tracking very small metal assets, or where space is limited.

Small metal asset tracking;

IT assets;

Small hand tools;

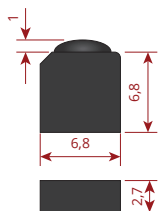
Medical instruments.



RF

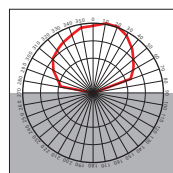
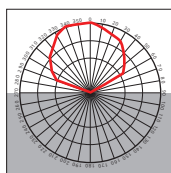
Protocol	EPC Class 1 Gen2V2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Reading Distance ¹	Up to 2.2 m (fixed reader) Up to 1.4 m (portable reader)
Material Compatibility	Optimized for metals
Type IC (chip)	Alien Higgs 3
Memory ^{2,3}	EPC: 96 bits User: 512 bits Unique TID: 64 bits

Dimensions [mm]



Irradiation

Em metal



Environmental

Operating Temperature	-20°C a +85°C
Maximum Temp. of Exhibition	-20°C a +235°C
Degree of Protection	IP68
Shock and Vibration	MIL STD 810-G
Observation	Adhesive (included) for placement only, in applications above 85°C

Physics

Finishing	Black paint
Dimensions	6,8 x 6,8 x 2,7 mm ±0,5 without IC bump 7,8 x 6,8 x 2,7 mm ±0,5 including IC bump
Weight (g)	0,6

¹ Reading distances may vary due to several factors, such as reader power, sensitivity, type of material identified and the environment.

² EPC and user memory are reprogrammable, UTID is locked at point of manufacture

³ Data retention 50 years at operating temperature.

Product code:

501.045: AcuTag UHF Fit 220