



Heat-Resistant Alien® Higgs® 3 Stainless Steel RFID Embedded On-Metal Tag



SKU:	RS-H3-BXG-3011
Chip Type:	Alien® Higgs® 3
Frequency:	UHF (US)902-928 MHz, UHF (EU)865-868 MHz
EPC Memory:	480 bits
User Memory:	512 bits
Protocol:	ISO/IEC 18000-63, EPC Class 1 Gen 2
Max. Read Range:	3.5 m on metal
IP Rating:	IP68
High-Temperature Resistant:	150°C

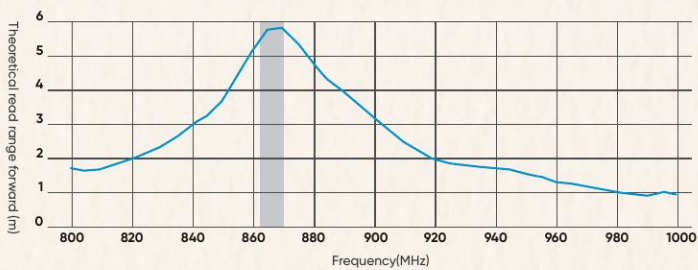
Industry:	Automotive Manufacturing, Metal Processing, Glass Manufacturing
Applications:	Asset Tracking, Equipment Tracking, Inventory Management

This UHF RFID heat-resistant on-metal tag is made from robust stainless steel and features the Alien® Higgs® 3 chip, providing outstanding read sensitivity and rapid data transfer.

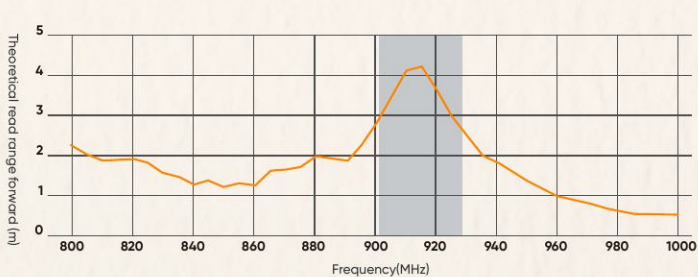
Designed to withstand temperatures up to 150°C, it is the perfect choice for effective asset tracking in automotive manufacturing, metalworking, and glass production machinery.

Reading Performance

Reading Range Under Different Frequency-ETSI Standard



Reading Range Under Different Frequency-FCC Standard



Physical Information

Material	304 Stainless Steel
Size	Ø30 mm
Tag Color	Gray
Tag Weight	34 g
Tag Thickness	11 mm
Operating Environment	-40°C~+150°C
Storage Environment	+18°C~+28°C
Mounting Method	Screw
Surface	Metal
IP Rating	IP68

Technical Information	Operating Frequency	(US)902-928 MHz, (EU)865-868 MHz
	Protocol	ISO/IEC 18000-63, EPC Class 1 Gen 2
	Chip Type	Alien® Higgs® 3
	EPC Memory	480 bits
	User Memory	512 bits
	TID Memory	64 bits
	Read Range(Fix Reader)	865-868 MHz(EU): 3.5 m on metal 902-928 MHz(US): 3.5 m on metal
	Read Range(Handheld Reader)	865-868 MHz(EU): 2.6 m on metal 902-928 MHz(US): 2.6 m on metal
	Security Features	Dynamic authentication™ protection, permanently lock user memory, 32-bit kill passwords, 32-bit access password

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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