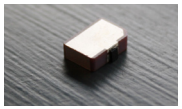
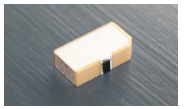
Omni-ID®
Building Intelligent Supply Chains

Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Fit Range – Small for Integration

FEATURED COMPARISON GUIDE

Products		**Fit 100**	**Fit 100**	 **Fit 100**	**Fit 200**	 **Fit 200**
Versions		■ STANDARD	■ HIGH TEMPERATURE	■ EMBEDDED	■ STANDARD	■ EMBEDDED
Typical Applications		Tool tracking including very small metal tools. Medical device tracking. Embedding into equipment at point of manufacture.	Tool tracking including very small metal tools. Medical device tracking. Embedding into equipment at point of manufacture.	Tool tracking including very small metal tools. Medical device tracking. Embedding into equipment at point of manufacture.	Small metal tools. including Medical device tracking. Embedding into equipment at point of manufacture.	Tool tracking including very small metal tools. Medical device tracking. Embedding into equipment at point of manufacture.
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Fixed reader Read Range (m) Handheld reader Read Range (m)	Up to 1.1 Up to 0.5	Up to 1.1 Up to 0.5	Up to 1.0 Up to 0.4	Up to 2.5 Up to 1.25	Up to 2.5 Up to 1.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Metal	Optimized for Metal
	IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
Physical and Environmental Specifications	Finish	Painted Black	Painted Black	Unpainted ceramic	Painted Black	Unpainted ceramic
	Size (mm)	6.8 x 6.4 x 2.1	6.8 x 6.4 x 2.1	8.6 x 6.1 x 2.6	8.6 x 6.1 x 2.6	13.1 x 7.5 x 3
	Weight (g)	0.8	0.8	0.63	0.8	1.4
	Operation Temperature (°C)[1] Max Temperature Exposure (°C)[1]	-20 to +70°C -20 to +70°C	-20 to +85°C -20 to +225°C	-20 to +70°C -20 to +70°C	-20 to +70°C -20 to +70°C	-20 to +85°C -20 to +85°C
	Ingress Protection	IP68	IP68	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (included) Permanent liquid adhesive (opt.ion)	Film adhesive[2] (option for placement only) Permanent liquid adhesive (opt.ion)	Omni-ID carrier (included)[3]	Film adhesive (included) Permanent liquid adhesive (option)	Omni-ID carrier (included)[3]
	Order Codes (see datasheets for option codes)	130 - EU, US	129 - EU, US	126 - EU, US	050 - EU, US	127 - EU, US

1. Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings.
2. The product has been designed for optimal RF performance when used with 130 micron +/-20% adhesive under the tag.
3. See Omni-ID Embedded Fit Tag User Guide for epoxy options.

Values for Comparison only, please refer to Product Datasheets for full specifications.

© 2016 Omni-ID. All rights reserved.

Omni-ID®
Building Intelligent Supply Chains

Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Fit Range – Small for Integration

FEATURED COMPARISON GUIDE

Products		**Fit 210**	**Fit 210**
Versions		■ STANDARD	■ HIGH TEMPERATURE
Typical Applications		Tool tracking including very small metal tools. Medical device tracking. Embedding into equipment at point of manufacture.	Hand Tool tracking Paint processes in automotive Integration within IT assets at point of manufacture Healthcare - autoclaves & sterilization
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Fixed reader Read Range (m) Handheld reader Read Range (m)	Up to 2.1 Up to 1.8	Up to 2 Up to 1
	Material Compatibility	Optimized for Metal	Optimized for Metal
	IC Type	Alien Higgs 3	Alien Higgs 3
Physical and Environmental Specifications	Finish	Painted Black	Painted Red
	Size (mm)	57.1 x 5.95 x 1.3	57.1 x 5.95 x 1.3
	Weight (g)	1.0	0.8
	Operation Temperature (°C)[1] Max Temperature Exposure (°C)[1]	-20 to +85°C -20 to +85°C	-20 to +85°C -20 to +225°C
	Ingress Protection	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (included) Standard Foam (option) Permanent liquid adhesive (opt.ion)	Film adhesive[2] (option for placement only) Permanent liquid adhesive (opt.ion)
	Order Codes (see datasheets for option codes)	041 - EU, US	123 - EU, US

1. Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings.
2. The product has been designed for optimal RF performance when used with 130 micron +/-20% adhesive under the tag.
3. See Omni-ID Embedded Fit Tag User Guide for epoxy options.

Values for Comparison only, please refer to Product Datasheets for full specifications.

© 2016 Omni-ID. All rights reserved.

Omni-ID®
Building Intelligent Supply Chains

Visit www.omni-id.com to learn more about the complete line of Omni-ID RFID products.

Fit Range – Small for Integration

FEATURED COMPARISON GUIDE

Products		**Fit 400**	**Fit 400**	**Fit 400**	**Fit 400P**
Versions		■ STANDARD	■ HIGH TEMPERATURE	■ EMBEDDED	■ STANDARD
Typical Applications		Tool tracking including metal hand tools. Metal IT assets.	Tool tracking including metal hand tools. Metal IT assets.	Metal hand tools. Healthcare Equipment Automotive post-paint processes	Tool tracking including attachment to plastic handles or plastic tools. Surface mounting to plastic components of larger high value assets
RF Specifications	Frequency Range (MHz)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)	902–928 (US) 866–868 (EU)
	Fixed reader Read Range (m) Handheld reader Read Range (m)	Up to 4.0 Up to 2.0	Up to 4.0 Up to 2.0	Up to 4.0 Up to 2.0	Up to 3.5 Up to 1.75
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Plastic & non-metallic substrates only
	IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
Physical and Environmental Specifications	Finish	Painted Black (US)	Painted Black	Unpainted Ceramic	Painted Black
	Size (mm)	13.1 x 7.1 x 3.1	13.1 x 7.1 x 3.1	18 x 12 x 3.5	17.6 x 7.1 x 4.1
	Weight (g)	1.6	1.6	4.0	2.6
	Operation Temperature (°C)[1] Max Temperature Exposure (°C)[1]	-20 to +85°C -20 to +85°C	-20 to +85°C -20 to +225°C	-20 to +85°C -20 to +85°C	-20 to +85°C -20 to +85°C
	Ingress Protection	IP68	IP68	IP68	IP68
	Shock and Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
	Attachment	Film adhesive (included) Permanent liquid adhesive (option)	Film adhesive [2] (option for placement only) Permanent liquid adhesive (option)	Omni-ID carrier (included)[3]	Film adhesive (included) Permanent liquid adhesive (option)
	Order Codes (see datasheets for option codes)	051 - EU, US	124 - EU, US	128 - EU, US	052 - EU, US

1. Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings.
2. The product has been designed for optimal RF performance when used with 130 micron +/-20% adhesive under the tag.
3. See Omni-ID Embedded Fit Tag User Guide for epoxy options.

© 2016 Omni-ID. All rights reserved.