

Fit Range – Small for Integration, High Temperature



Featured Comparison Guide



High Temperature

Fit 210HT



High Temperature

Fit 220HT



High Temperature

Fit 400HT



High Temperature

Fit 400P

Product Name		Fit 210HT	Fit 220HT	Fit 400HT	Fit 400P
Typical Applications		Hand Tool tracking Paint processes in automotive IT assets at point of manufacture Healthcare - sterilization	Small metal tools IT assets Healthcare instruments	Tool tracking including metal hand tools Metal IT assets Autoclaves & high temperature sterilizations	Plastic handles on hand tools Small Plastic tools Surface mounting on plastic components on 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)
	Read Range (m) Fixed reader Handheld reader	Up to 2.0 Up to 1.0	Up to 2.2 Up to 1.4	Up to 4.0 Up to 2.0	Up to 3.0 Up to 2.0
	Material Compatibility	Optimized for Metal	Optimized for Metal	Optimized for Metal	Plastic
	IC Type	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Impinj Monza 4QT
Physical and Environmental Specifications	Finish	Red PCB	Ceramic - Painted Black	Ceramic -Painted Black	Ceramic -Painted Black
	Size (mm)	5.71 x 5.95 x 1.3	7.80 x 6.80 x 2.70 (includes IC bump)	13.10 x 7.80 x 3.10 (includes IC bump)	17.6 x 7.10 x 4.10
	Weight (g)	1.00	0.60	1.50	2.6
	Operating Temperature (°C) ¹ Max Temperature Exposure (°C) ¹	-20 to +85 -20 to +225	-20 to +85 -20 to +235	-20 to +85 -20 to +235	-40 to +75
	Ingress Protection	IP68	IP68	IP68	IP68
	Shock and Vibration		MIL STD 810-G		MIL-STD-810 F
	Attachment	Film adhesive (standard) [For placement only in applications exceeding +85°C]	Film adhesive (standard) [For placement only in applications exceeding +85°C]	Film adhesive (standard) [For placement only in applications exceeding +85°C]	Film adhesive (standard) [For placement only in applications exceeding +85°C]
Order Codes [*]	123 - EU, US	155 - EU, US	124 - EU, US	052 - EU, US	

¹ Excludes adhesive options, consult adhesive datasheets for recommended temperature ratings. Maximum constant exposure for Fit 220 & 400 = 700 hours and 12 hours for Fit 210. ^{*} Order option codes are listed on the datasheets.

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

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