



RFID Tag Performance Specifications

- Medical grade construction
- Extended read distances on metal surfaces
- Autoclave safe through hundreds of cycles
- Small size form factor
- Custom sizes and colors available

		EPC Global Compliant Gen 2*
Application	Applications	Medical Devices
	Type	Reusable Rigid Enclosure
	Mounting Surfaces	Plastic, Metal
Wireless Performance	Operation Mode	Passive
	Frequency	UHF (860-960MHz)
	Read / Write	Read and Write Capable
	Read Rate	More Than 1500 Tags Per Second
	Write Rate	15 Tags Per Second
	Anti-collision	Reads Up to 20 Tags Simultaneously
	Memory	96-bit
	Security	32-bit Password Protected Kill Command
	Data Retention	100,000 Write Cycles, 50 Years
	Environmental	Operating Temperature
Autoclave Survivability Temperature		135°C (275°F)
Autoclave Survivability Cycles		500
Compliance	RoHS	Yes
	FDA	USP Class VI
	FCC	FCC Part 15.231a

* Specifications based on Solstice Medical laboratory testing and subcomponent specifications

Part Number	Protocol	Read Distance**	Attachment Method	Size (in.)	Size (mm.)
100 019- 001 (Bone) 002 (Black) 003 (Blue) 004 (Grey)	EPC Global Compliant Gen. 2	3 - 6 ft.	Rivet, Adhesive	3.1 x 0.4 x 0.15	78.7 x 10.2 x 3.8
100 021- 001 (Bone) 002 (Black) 003 (Blue) 004 (Grey)	EPC Global Compliant Gen. 2	2 - 4 ft.	Adhesive	1.1 x 0.3 x 0.20	28.7 x 7.1 x 5.1
100 038- 001 (Bone) 002 (Black) 003 (Blue) 004 (Grey)	EPC Global Compliant Gen. 2	1 - 3 ft.	Adhesive	0.5 x 0.13 x 0.05	12.7 x 3.3 x 1.3
100 039- 001 (Bone) 002 (Black) 003 (Blue) 004 (Grey)	EPC Global Compliant Gen. 2	12 - 15 ft.	Rivet, Adhesive	2.3 x 0.75 x 0.15	58.5 x 19 x 3.8

** Read distance varies in specific applications.

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