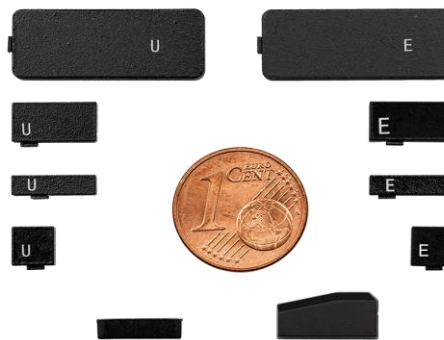




RF BTAC

Medical Autoclave Tag



DATA SHEET

Specifications				RF BTAC Tag			
	Epoxy		ABS	Ceramic			
Base Model Number	RF BTAC LF01	RF BTAC LF02	RF BTAC HF01	RF BTAC UHF01	RF BTAC UHF02	RF BTAC UHF03	RF BTAC UHF04
ELECTRONIC							
	LF		HF	UHF			
Operation Frequency	130KHz	134,2KHz	13,56MHz	868MHz / 915MHz			
Chip Type	Nova	HDX	Vigo	Higgs 3			
Memory	160 bit EEPROM	128 bit read-only	64 bit UID, 1024 bit EEPROM	512 bit read/write			
Anti-Collision				YES			
Read range	Proximity			up to 3,3ft (1m)* depending on reader and environment			
PHYSICAL							
Dimensions	0.5 × 0.2 × 0.1 in (12 × 6 × 3 mm)		0.4 × 0.1 × 0.1 in (10 × 3 × 2.5 mm)	0.4 × 0.1 × 0.1 in (10 × 2.5 × 2.5 mm)	0.2 × 0.2 × 0.1 in (5 × 5 × 3 mm)	0.4 × 0.2 × 0.1 in (10 × 5 × 3 mm)	0.9 × 0.4 × 0.1 in (23 × 9 × 3 mm)
Mounting Method	Enclose			Adhesive or enclosure			
Housing Material	Epoxy overmolded		ABS coffin potted w/ epoxy	Ceramic painted			
Color	BLACK						
Weight	0.02 oz (0.45 g)		0.005 oz (0.15 g)	0.01 oz (0.4 g)		0.03 oz (0.9 g)	0.11 oz (3.2 g)
CHEMICAL AND MECHANICAL RESISTANCE							
WATER	IP68, 68° F (20° C), 1 m × 24 h			IP67, 1 m × 1 h			
Withstands Exposure to	Bleach, caustic soda, formic acid, gasoline, HCL, oil, salt water			Autoclave sterilization; bleach, cleaning solutions, oil			
Environmental Test cond.	68° F (20° C), 100 h						
Axial/Radial Force	500 N, 10 sec						
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]						
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]						
Drop Test	100 × 1 m						
Pressure	100 bar, 5 min						
THERMAL							
Storage	-40° to +248° F (-40° to +120° C), 1 × 1000 h		-13° to +158° F (-25° to +70° C), 1 × 1000 h	-40° to +185° F (-40° to +85° C)			
Operation Frequency	-40° to +194° F (-40° to +90° C)		-13° to +158° F (-25° to +70° C)	-40° to +185° F (-40° to +85° C)			
Shock/Fatigue	-40° to +194° F (-40° to +90° C), 200 × 20 min with 30 sec transition		-13° to +158° F (-25° to +70° C), 200 × 5 min with 30 sec transition	-40° to +185° F (-40° to +85° C)			
Peak Temperature	284° F (140° C), 100 h			302° F (150° C), 100 h			
OTHER							
Standards		ISO 11784, 11785	ISO 15693, 18000-3, NFC Tag Type 5 when NDEF formatted	EPC C1G2, ISO 18000-6C, RAIN			
Options	Alternative LF or HF integrated chips			Self-adhesive sticker			
Warranty	2 years						



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