GAO RFID Inc.
A Member of GAO Group
Celebrating Over 15 Year of Innovation

Product Overview

Flexible and Durable UHF RFID Laundry Tag
GAO 116407

This flexible and durable UHF RFID laundry tag allows simultaneous reading and provides a read range of up to 2 m thus inventory management can be performed accurately and easily.

The tag conforms to the ISO/IEC 18000-6 Type C standard.It features exceptional durability and is suitable for washing, drying, dry cleaning and ironing. Also, its small, soft and flexible material makes it ideal for textiles, clothing, garments and accessories.

Combining the efficiency of check-at-once inventory management with the extended range and accuracy of state-of-the-art UHF tag technology, customers will greatly improve receiving, shipping, and tracking of assets while keep costs low by improving workflow and efficiency.
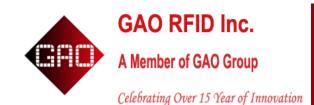
Key Features

- ✓ Multiple and simultaneous reading
- ✓ Long read range of up to 2 m
- ✓ High durability, complete flexibility and heat-seal capability
- ✓ Small, soft and flexible material
- ✓ Conforms to the ISO/IEC 18000-6 Type C standard
- ✓ Suitable for washing, drying, dry cleaning and ironing

Technical Specifications

Model			116407A	116407B
Standard			ISO/IEC 18000-6C (EPC Gen2)	
Size			55 mm x10 mm x1.6mm	
Weight			1g	
EPC Number Area			96bit pre-write	96bit blank
Read Range	Textile	902 MHz to 928 MHz	4W erp: 190 cm (Typical), 2W erp: 171 cm (Typical)	
		865.6 MHz to 867.7 MHz	2W erp: 130 cm (Typical)	
	Mat	902 MHz to 928 MHz	4W erp: 200 cm (Typical)	
		865.6 MHz to 867.7 MHz	2W erp: 220 cm (Typical)	
Tagging			Sewing, Heat-sealing	
Lifetime			200 washing cycles or 3 years from shipping date, whichever comes first	
Environmental Resistance	Washing Method		Laundry, Dry cleaning(Perchloroethylene, Hydrocarbonsolvent)	
	Sterilization Method		Autoclave sterilization	
	Water Resistance		Water resistant	
	Chemical Resistance		Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali	
	Heat Resistance	Drying	85°C (Up to 60 min.) or 120°C (Up to 10 min.)	
		Ironing	200°C (Up to 10 sec. with press cloth)	
	Humidity Temperature	Operating	-20 °C to 50°C, 10% to 95%RH	
		Storage	-40 °C to 55°C, 8% to 95%RH	

GAO Group

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