

UHF Passive RFID Tag DAC 300

A KTS product for apparel and laundry industry.

AREAS OF USE:

- Dedicated to the apparel industry, including workwear, for items identification, traceability and anti-thefts application.
- High Reading accuracy in Bulk.
- Reading performance - 40 tags per second.
- Double Loop Antenna equipped (patent pending).
- Having an excellent form factor due to the double loop antenna, the new RFID TAG concept creates the premise of dimensional optimization, hence our proposed version has the size of (37 x 9 x 1 mm);



APPLICATION METHOD:

- Heat sealing by thermo-pressing the tag at 205 °C, 12 seconds.



SPECIFICATIONS:

Characteristics	Values
Max EPC bits	128 bits
Frequency	860 – 960 MHz
Air interface compliance	UHF EPC Global, Class 1, Gen 2(V1.2.0) / ISO 18000-6C:2004/ Amd 1:2006 (type C)
Dimensions / weight	37 x 15 x 1 (mm.) / 30 g.
TAG warranty	First of 300 wash cycles or 3 years from shipping date.
Flexibility	High, due to the textile substrate material
Read / Write sensitivity	Excellent
Read distance	1 m with 1 W Reader Power Radiation
Bulk reading	High accuracy
Working conditions	Washing 90 °C (30 min.) Drying 185 °C (20 min) Ironing 230 °C (60 sec) Water extraction pressure up 60 bar
Autoclave	YES, sterilizing at 150°C for 15 min, 2.3 bar

- Production: ROMANIA.

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