



TRANSPONDER

T-BH7550 S «BügelChip»
LF – single read



Customer benefits:

- The ACURA Global's BügelChip or also called Hanger Transponder for automated sorting systems
- The de facto standard for the laundry machinery industry worldwide
- Easy to integrate onto/into standard hangers
- Especially developed transponder to sustain laundry processes incl. tunnel finisher
- Provides high speed with high density hanger identification
- Comes with a full range of high performance standard reading stations
- Works on the principle of Single Read Low-Frequency radio waves that can pass through non-conductive material
- Ideal for hostile environment, provides high reading range even in metal proximity
- Very high reading speed (20 msec)
- Unbeatable price/performance ratio for all automated or semi-automated sorting systems

Product description:

The ACURA Global's LaundryChip™ T-BH7550 S contains an individual, preprogrammed code which cannot be falsified. The communication from the reader to the transponder occurs through non-harmful low power and low frequency radio waves. Consequently, the passive transponder (no battery) transmits the code which identifies the hanger, without possibility of error, through any non-conductive material and even fitted onto a metallic hanger. ACURA Global's BügelChips carry manufacturing information on their shell and additional information can be laser-printed on request.

Mechanical Drawing	Product qualification
	<p>Qualification test 1000 thermal cycles from 10°C to 180°C Cycle time 20 minutes</p> <p>Results No defect on 1000 samples</p> <p>Field testing Showed that the BügelChip sustains 4'000–5'000 cycles</p>

TECHNICAL DATA:

Weight:	0.7 g
Temperature:	Storage: -40°C – +120°C -40°F – +248°F Operating: see product qualification
Material:	PA / silicon resin
Reading distance:	Up to 250 mm with A-ST7530
Reading speed:	20 msec/reading with R-IN7500
Memory size:	64 bit total (40 bit data)
Power supply:	Passive, through antenna RF field
Ordering information:	T-BH7550 S

Subject to change without notice

ACURA Global's, the inventor of the LaundryChip™, offers innovative RFID-based solutions which are the result of 20 years of industry experience that have enabled the company to establish itself as the global market leader in the textile identification market, with more than 700 clients in 24 countries and over 75 million RFID chips in use. ACURA Global's RFID solutions are renowned for their accuracy and reliability by all equipment manufacturers serving the textile service industry.

These solutions can be tailored to specific customer requirements and are completed by attractive service & support offerings.