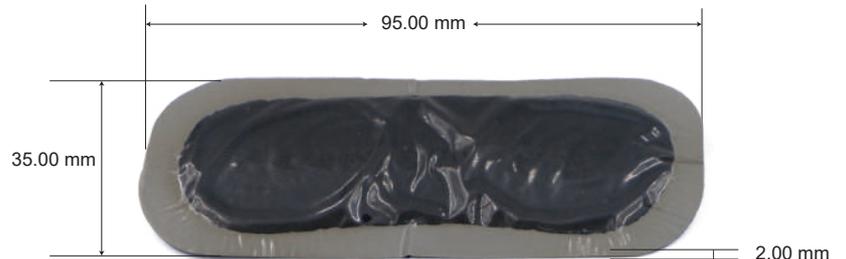




This tag is developed to track finished tyres, with a unique identification number to prevent tyre theft and cloning. It is designed to last the lifetime of the tyre. It should be attached inside the sidewall of the tyre using a vulcanizing agent. This tag is mainly used for bus, truck, trailer tyres, etc.

TYPICAL APPLICATIONS

- Warehousing
- Bus tyre tracking
- Truck tyre tracking
- Automobile factory tyre tracking
- Logistic vehicle management



PHYSICAL SPECIFICATION

Face Stock	Rubber
Tag Size	95 x 35 x 2 mm / 3.74 x 1.37 x 0.07 in
Adhesive (not provided)	Vulcanizing agent (same as the one used to stick tyre repair patches, ex. Tech 760)
Weight	5.0 gms
Delivery Format	Single pieces
No. of Tags/ Box	120 pcs

RF SPECIFICATION

Mode of Operation	Passive
Device type	Class 1 Gen 2 Passive UHF RFID transponder
Air interface protocol	EPC Global Class1 Gen2 ISO 18000-6C
Operational frequency	Global 860-960 MHz
IC type*	Alien Higgs 3
Memory configuration	EPC Size 96 Bits, User Memory 512 Bits, 96 bits TID with 64 bits Unique serial number
Write Cycle Endurance	100,000
Data Retention	Upto 50 years
Read range (2WERP)**	1.08m
Applicable surface materials	Rubber

ENVIRONMENTAL RESISTANCE

Operating Temperature	-40°C to +85°C / -40°F to +185°F
Adhesive Service Temperature	-40°C to +85°C / -40°F to +185°F
Recommended Application Temperature	+10°C to +38°C / 50°F to +100.4°F
Ideal Storage Condition	-40°C to +230°C / -40°F to +446°F
Expected Lifetime	Years in normal operating conditions

PRODUCT INSTALLATION



- Refer pages 4-6 for detailed product installation procedure

PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC

Customized Printing

- Customer specific designing

ORDER INFORMATION

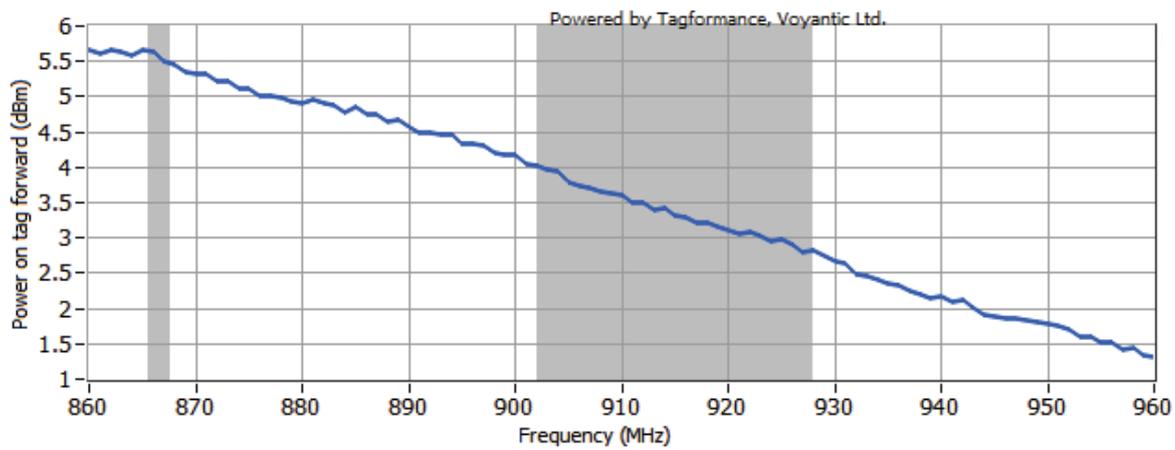
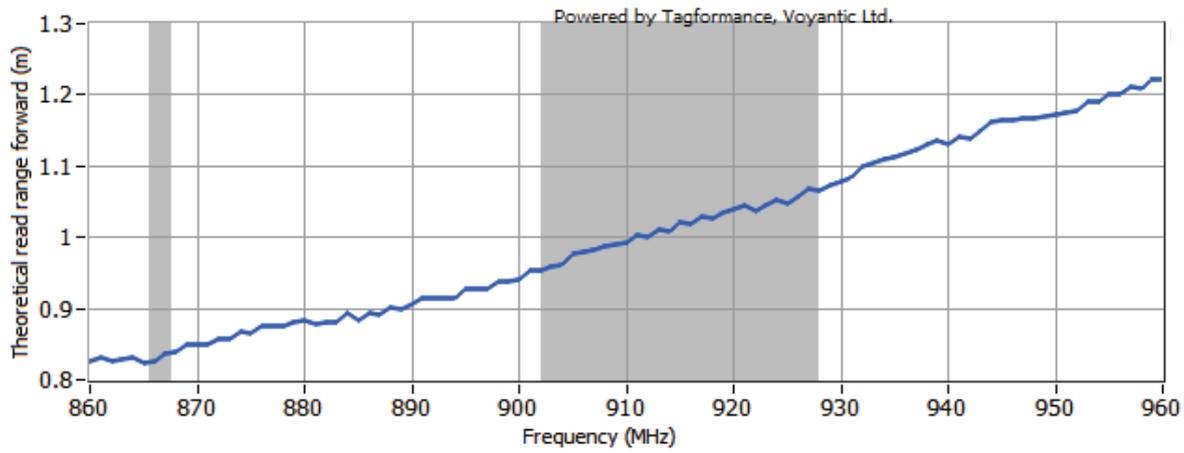
Part Number

- RF.ST.Rdstr.9535.H3

Packaging

- 120 pcs/ box

READ RANGE GRAPHS



INSTALLATION GUIDE

Instructions: to be applied on the inside of the tyre in the same way as a tyre repair patch, best position may vary depending on each tyre type.

Please follow the following process:



Applied as any other tyre repair cold rubber patch with glue cement or vulcanizing agent.



Application location:
Make sure that the tag is applied inside the sidewall of the tyre.

1. Check the general area where the patch will stick.
2. Cleaning the surface of the inner liner within the area where the patch will stick.
3. Removing molded-in features such as ridges or texture.
4. Marking the exact location where the patch will stick.
5. The distance between the patch center and the lip of the bead will be 105 – 115 mm.
6. Applying Glue Cement or Vulcanizing Agent and allowing the solvent to dry.
7. Applying the patch to the prepared inner liner and applying pressure (-stitching it down) to ensure intimate contact.
8. There should be no bubbles underneath the patch
9. The patch will be tightly attached to the tyre all the way around to its periphery.
10. Waiting for appropriate time.

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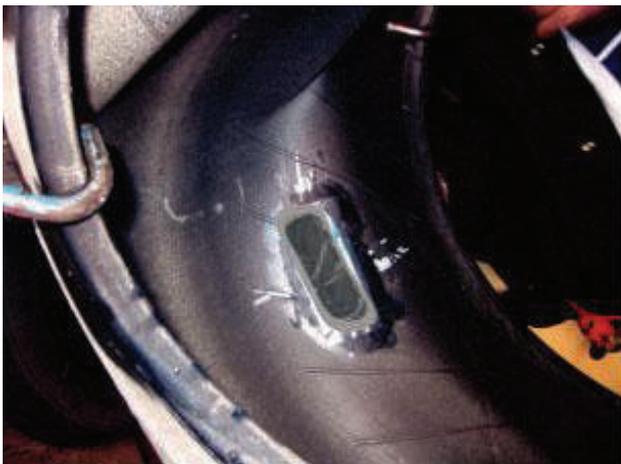
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12



* Other IC's available on request

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.



Version : 200721.01