

PRODUCT DATASHEET

GLOBAL TAG UHF 12



Global Tag **UHF 12** is the smallest RFID UHF antenna design with round form, which has been developed for RFID projects of apparel and retails, or as RFID tag solutions for pharmaceutical and healthcare industries. Also, it is a suitable solution as non-invasive labeling in the projects of asset tracking.



This product can be provided as wet-inlay, paper label or PET/PP label.

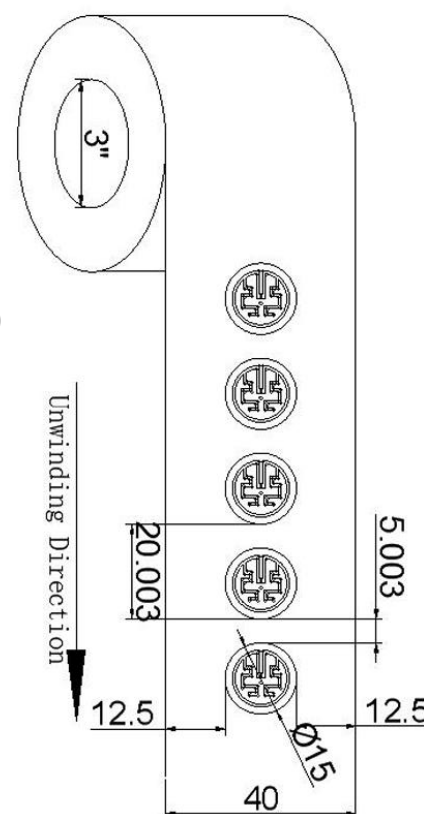


Different customizations are available such as die-cut label size, encoding of EPC/memory, or content printing.



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

- Antenna Size:** $\varnothing 12\text{mm}$
- Wet inlay size:** $\varnothing 15\text{mm}$
- Paper/PP/PET label size:** $\varnothing 15\text{mm}$ or bigger
- Pitch Size:** 20mm
- Gap:** 5mm
- Web Width:** 40mm
- Mounting System:** Glue, (optionally 3M 467 adhesive or Removable Glue)
- Antenna Material:** Aluminum
- Storage Temperature:** $+10^{\circ}\text{C}$ to $+35^{\circ}\text{C}$ (sealed in the vacuum bag and avoid direct sunlight exposure)
- Storage Humidity:** 30% to 70% RH (sealed in the vacuum bag and avoid direct sunlight exposure)
- After gluing Temperature:** -20°C to $+50^{\circ}\text{C}$
- After gluing Humidity:** 20% to +80% RH
- Delivery format:** in reel



IC CHIP SPECIFICATION

Operation Frequency	UHF 860-960 Mhz
Air interface protocol	UHF EPC Class 1 Gen 2
IC Type Available	NXP U-Code 8
TID Memory	96bit
EPC Memory	128bit
User Memory	-

READING DISTANCE

With long range fixed reader: ----- EU frequency 0 ~ 0,35m (2W ERP) ----- US frequency 0 ~ 0,6m (4W EIRP)

INSTALLATION MODE

With permanent strong glue: when mounting the tag with adhesive background, clean and dry the surface to obtain the maximum bond strength. The range temperature must be $+10^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ and humidity range 20% to +80% RH



CUSTOMIZATION OPTIONS

Printing: 4-color or monochrome logo, Progressive number, Serial number from database, Barcode or QRCode

Encoding: Writing contents in EPC/User Memory (optionally from customer's database)

3M glue: According to the project requirement and basing on the surface material we can supply special adhesive

ORDER INFORMATION

Standard products have these available size

PRODUCT CODE WET-INLAY: GT-WT15-U8

PRODUCT CODE PAPER LABEL: GT-PL15-U8

PRODUCT CODE PET LABEL: GT-PET15-U8

PRODUCT CODE PP LABEL: GT-PP15-U8

For further information or customization request:

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DISCLAIMER

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Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general-purpose product not designed or intended for any specific application.

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