

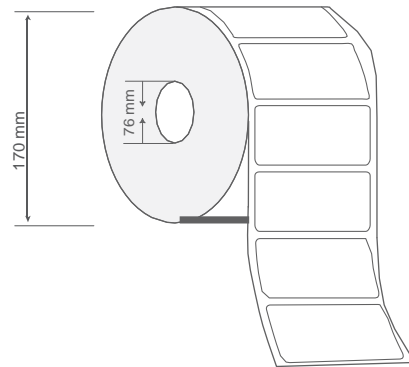
SIVA NFC 4545 All Surface labels are a high quality NFC stickers in roll format to be attached on any surface materials including metal and liquid containers. These labels are highly durable to establish intuitive one touch communication between existing technologies and devices. The labels come with High performance permanent adhesive as standard.

NFC labels measure 45 by 45 millimeters and are delivered on rolls for easy handling. These can be pre-printed and encoded with artworks and human readable data according to the customer requirements. They are ideal for tracking assets in varied industries.

TYPICAL APPLICATIONS

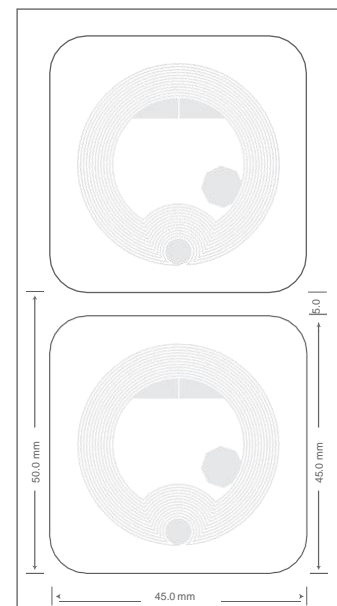
For metal surfaces, and other materials:

- Smart Advertising
- Goods & Devices Authentication
- Business Cards
- Voucher & Coupons



PHYSICAL SPECIFICATION

| | |
|---------------------|---|
| Face Stock | Printable white PET, resin ribbon is recommended |
| Label Sizes | 45 x 45 x 0.8 mm 1.7 x 1.7 x 0.03 in |
| Adhesive | High performance permanent adhesive with excellent bonding to all types of surfaces |
| Weight | 3.00 gm |
| Delivery format | Roll form |
| No. of Labels/ Reel | 500 pcs |
| Label Pitch | 50 mm |
| Core inner diameter | 76 mm / 3 in |
| Roll Outer diameter | 170 mm / 6.69 in |



RF SPECIFICATION

| | |
|------------------------------|---|
| Mode of Operation | Passive |
| Device Type | NFC Forum Type 2 |
| Air interface Protocol | NFC forum type 2 tag and ISO14443A |
| Operational Frequency | 13.56 MHz |
| IC Type* | NTAG 213 |
| Memory Configuration | 180 bytes organized in 45 pages with 4 bytes per page |
| Write Cycle Endurance | 100,000 |
| Data Retention | 10 years |
| Applicable surface materials | Metallic Surfaces |

ENVIRONMENTAL RESISTANCE

| | |
|-------------------------------------|---|
| Operating temperature | -20°C to +70°C / -4°F to +158°F |
| Withstands Exposure to | 95% humidity, 60°C × 100 h, 50% humidity, 80°C × 100 h |
| Peak Temperature | +100°C for 1 hr, +80°C for 100 hrs (Label remains securely attached with object. No physical or performance changes observed.) |
| Recommended Application Temperature | +10°C to +38°C / 50°F to +100.4°F |
| Water Resistance | IP67 |
| Adhesive Service Temperature | -20°C to +85°C / -4°F to +185°F |
| Chemical Resistance | No physical or performance changes in: - 168 h Salt water (salinity 10%) exposure - 168 h Motor oil exposure - 12 h NaOH (10%) exposure - 30 min Acetone exposure |
| Ideal Storage condition | +23°C / 50% RH |
| Expected lifetime | Years in normal operating conditions |

PRODUCT INSTALLATION



- Ensure the application surface is not uneven and is clean and dry, to obtain maximum bond strength. If required, use approved cleaning solvents to clean surface.
- Avoid touching the backside of the label while mounting it

* 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.

For more information, visit: www.rfidcanada.com

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PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC

Customized Printing

- Customer specific layout including logo, text, numbers, barcodes etc.

ORDER INFORMATION

Part Number

- RF.Li.TT.MOM.NFC.4545

Roll Sizes

- 500 Labels per Roll / 4 Rolls per Carton



Version : 181219.01

