

UHF RFID Inlays
AD-317iL



direct attach

Dimensions:

Operating Frequency: Global (860 - 960MHz)

RF Protocol: ISO-18000-6C, EPC Class 1 Gen 2

Chip: NXP UCODE G2iL

EPC Memory: 128 bit

TID Memory: 64 bit Tag Identifier (TID) including 32 bit factory locked unique

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Common Applications:

- Apparel and Retail
- Jewelry

| Part Number | 600404 | 600405 |
|---|--|--|
| Format | Dry Inlay | Wet (pressure- sensitive) Inlay |
| Antenna dimensions (CDxMD) | 1.63 x 0.63 in [41.4 x 16 mm] | 1.63 x 0.63 in [41.4 x 16 mm] |
| Die- cut dimensions | N/ A | 1.75 x 0.75 in [44.45 x 19.05 mm] |
| Inlay substrate material | PET | PET |
| Inlay- to- liner adhesive | N/ A | S-490 (FASSON) |
| Liner material | N/ A | 1.5M Clear PET |
| Face sheet | N/ A | N/ A |
| Standard pitch | 1.5 in [38.1 mm] | 1.5 in [38.1 mm] |
| Standard web width | 2.0 in [50.8 mm] | 2.0 in [50.8 mm] |
| Total thickness over chip | 10 -13 mils [254 - 330.2 microns] | 14 -17 mils [356 - 431.8 microns] |
| Operating temperature | -40 to 185 F [-40 to 85 C] | -40 to 185 F [-40 to 85 C] |
| RoHS | EU Directive 2011/65/ EU Compliant | EU Directive 2011/65/ EU Compliant |
| Quality assurance | Compliant 100% read tested with out- of tolerance inlay marked | Compliant 100% read tested with out- of tolerance inlay marked |
| Un- wind direction | Inlay - side Out | Inlay - side Out |
| Core size with adaptor insert | 3 in [76.2mm] | 3 in [76.2 mm] |
| Maximum roll outer diameter (not to exceed) | 15.38in [390.65 mm] | 13 in [330.2 mm] |
| Average # of units per roll | 12,000 | 12,000 |
| Rev | 00 | 00 |

CARE AND HANDLING RFID inlays are sensitive to ESD. Observe standard practices to keep environmental static charge to a minimum.

APPLICATIONS This product should be tested by the customer/ user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use.

WARRANTY Please refer to Avery Dennison RFID standard terms and conditions. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

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