

AD-232



AD-232 RFID Inlays



- Ideal for item-level tracking of assets, retail goods including apparel, and many other applications for use on a broad range of materials
- Developed to work exceptionally well in densely stacked applications such as denim apparel items
- Uses the latest NXP family of UCODE G2iL integrated circuits which includes a 128-bit EPC and 64-bit TID

Electrical Characteristics

Operating Frequency	Global (860 - 960MHz)
Integrated Circuit [IC] – Manufacturer & IC Name	NXP G2iL
RF Communications Protocol	ISO/IEC 18000-6C & EPCglobal Class 1 Gen 2
Memory	128-bit EPC
TID	64-bit (incl. 32-bit unique serial number)

Environmental

Operating Temperature	-40°F to 185°F [-40°C to 85°C]
RoHS	EU Directive 2002/95/EC compliant

Inlay Roll Format / Finishing

Un-wind direction	Inlay-side out
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	DRY INLAY 600256	PS INLAY 600257
Part Number	600256	600257
Antenna dimensions, [CDxMD]	2.756 in [70 mm] x 0.571 in [14.5 mm]	2.756 in [70 mm] x 0.571 in [14.5 mm]
Die-cut dimensions	n/a	2.881 in [73.18 mm] x 0.696in [17.68 mm]
Inlay-to-liner adhesive	n/a	S-490 (Fasson®)
Liner material	n/a	1.5M Clear PET
Total thickness over chip [typical]	10 - 13 mils [254 – 330.2 microns]	14 - 17 mils [356 – 431.8 microns]
Standard pitch	0.875 in [22.23 mm]	0.875 in [22.23 mm]
Standard web widths	3.875 in x [98.43 mm]	3 in [76.2 mm]
Inlay substrate material	PET	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked	100% edit and replace
Average number of units per roll	40,000	10,000
Core size	6 in [152 mm] with 3 in [76.2 mm] adaptor	3 in [76.2 mm]
Maximum roll outer diameter [not to exceed]	17 in [431.8 mm]	13 in [330.2 mm]
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.

PRODUCT CHANGES Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

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