



RFID

UHF RFID Inlays

AD-665u8

Dimensions	90 x 19 mm
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2 RAIN RFID
Chip	U8
EPC Memory	128 bit
TID Memory	96-bit Tag Identifier (TID) factory locked 48-bit unique serial number factory-encoded into TID

Common Applications

Glass & Automobile Tracking
Personal ID Badges & Race Timing
Miscellaneous Applications

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PART NUMBER	RF601207	RF601209
Format	Dry Inlay	Wet Inlay
Antenna dimensions (CDxMD)	3.543 x 0.748 in (90 x 19 mm)	3.543 x 0.748 in (90 x 19 mm)
Die-cut dimensions	N/A	3.668 x 0.873 in (93.175 x 22.175 mm)
Inlay substrate material	Opaque PET	Opaque PET
Inlay-to-liner adhesive	N/A	S-490(FASSON®)
Liner material	N/A	1.5 PET
Face Sheet	N/A	N/A
Standard pitch	1.25 in (31.75 mm)	1.25 in (31.75 mm)
Standard web width	3.875 in (98.43 mm)	3.875 in (98.425 mm)
Total thickness over chip	10.6-12.6 mils (269-320 microns)	10.9-12.9 mils (277-327 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU and 2015/863 Compliant	EU Directive 2011/65/EU and 2015/863 Compliant
Quality assurance	100% read tested with out-of-tolerance inlay(s) being marked	100% read tested with out-of- tolerance inlay(s) being marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out
Core size with adaptor insert	3 in (76.2 mm)	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	17 in (431.8 mm)	13 in (330.2 mm)
Average # of units per roll	20,000 good +/- 10%	10,000 good +/- 10%
Rev	00	00

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics/RFID to keep environmental impact and 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.

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