



RFID

UHF RFID Inlays

# AD-456u8 FCC



**Label Dimensions** 64 x 6 mm  
**Operating Frequency** Global (860 – 960 MHz)  
**RF Protocol** ISO-18000-6C, EPC Class 1, Gen 2  
**Chip** NXP UCODE 8  
**EPC Memory** 128 bit  
**TID Memory** 96-bit Tag Identifier (TID) factory locked  
 48-bit unique serial number factory-encoded into TID

### Common Applications

Health & Beauty  
 Beverages and Snacks  
 Miscellaneous Item Level Consumables  
 On-Metal Applications

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PART NUMBER	RF100575
Format	Pressure Sensitive Label
Label dimensions (CDxMD)	2.52 x 0.236 in (64 x 6 mm)
Inlay substrate material	Clear PET
Inlay-to-liner adhesive	Permanent
Liner material	40# SCK
Face Sheet	2 mil White PET
Standard pitch	1.0 in (25.4 mm)
Standard web width	2.702 in (68.64 mm)
Total thickness over chip	31.9 - 33.9 mils (810-861 microns)
Operating temperature	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU and 2015/863 Compliant
Quality assurance	100% read tested with out of tolerance inlay(s) being marked
Un-wind direction	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	8 in (203.2mm)
Average # of units per roll	1,662 good +/- 10%
Rev	01

**Care and handling:** RFID inlays are sensitive to ESD. Use standard industry practices relating to electronics/RFID to keep environmental impact and other electric/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 available at: <http://rbis.averydennison.com/en/home/general-terms-and-conditions-of-sale.html>.

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