

866MHz 128-BIT EPC CLASS 1 RFID TAGS

- Optimized for ETSI EN 302 208 Operation
- Portfolio of Specialty Designs & Form Factors
- General Purpose & High Performance Tags

Alien Technology® manufactures a range of EPC Class 1 “Encode & Apply” inlays and labels compliant with leading commercial and government requirements. Alien’s 128-bit EPC Class 1 tags have 96-bits of user programmable memory and are designed to operate under ETSI EN 302-208 regulations, ETSI EN 300 220 regulations, and other similar global regulations. As the leading supplier of EPC tags, Alien offers a growing portfolio of designs and form factors delivering optimal performance in a variety of applications.

ALL-8338 (Squiggle 1.1)

- The industry’s EPC Class 1 price/performance benchmark
- Ideal for very low cost, general purpose use on corrugate, plastic and paper
- Small form factor for labels as small as 4x1 inches

ALL-8354 (M)

- High gain general purpose for use on corrugate, plastic and paper
- Small form factor for labels as small as 4x2 inches



ALL-8338 (Squiggle 1.1)



ALL-8354 (M)

PRODUCT SPECIFICATIONS

OPERATING FREQUENCY

860-960MHz – optimized for 865-870MHz

OPERATING MODE

Passive

MEMORY:

128 bits total
User Programmable 96 bits
CRC 16 bits
Lock Code 8 bits
Kill Code 8 bits

FACTORY PRE-PROGRAMMED ID:

96-bit code in user memory
Can be re-programmed or locked

MINIMUM PROGRAMMING CYCLES

>25

OPERATIONAL TEMPERATURE RANGE:

-25°C to +70°C

RECOMMENDED BENDING RADIUS:

70+ mm

MATERIALS:

Base Material	PET (Polyethylenetherephtalate)
Antenna	Copper
Strap	PSF, Silicon, conductive silver ink, ACF adhesive

THICKNESS:

Over strap	0.41mm
Over antenna	0.20mm

LABEL DIMENSIONS

ALL-8338 - "Squiggle™" 1.1	98.2 x 12.3 mm
ALL-8354 - "M"	98.4 x 32.8 mm

LABEL PITCH ON WEB

ALL-8338 - "Squiggle™" 1.1	15.9 mm
ALL-8354 - "M"	35.9 mm

WEB WIDTH

ALL-8338 - "Squiggle™" 1.1	101.5 mm
ALL-8354 - "M"	101.6 mm

TYPICAL ROLL QUANTITIES

ALL-8338 - "Squiggle™" 1.1	14,500
ALL-8354 - "M"	5,800
ALL-8338-TST - "Squiggle™" 1.1 test pack	2,000
ALL-8354-TST - "M" test pack	2,000



ALIEN®

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