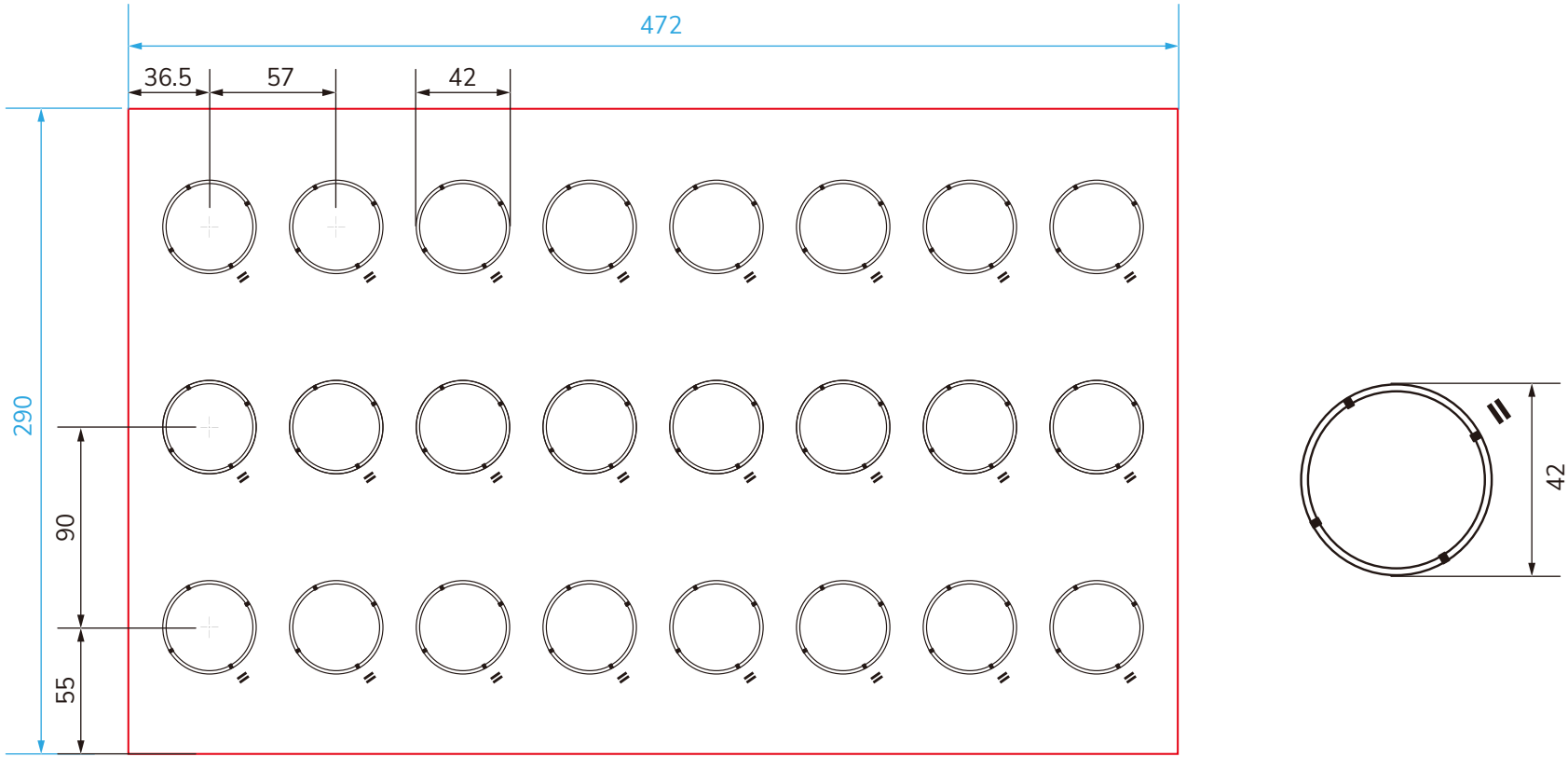
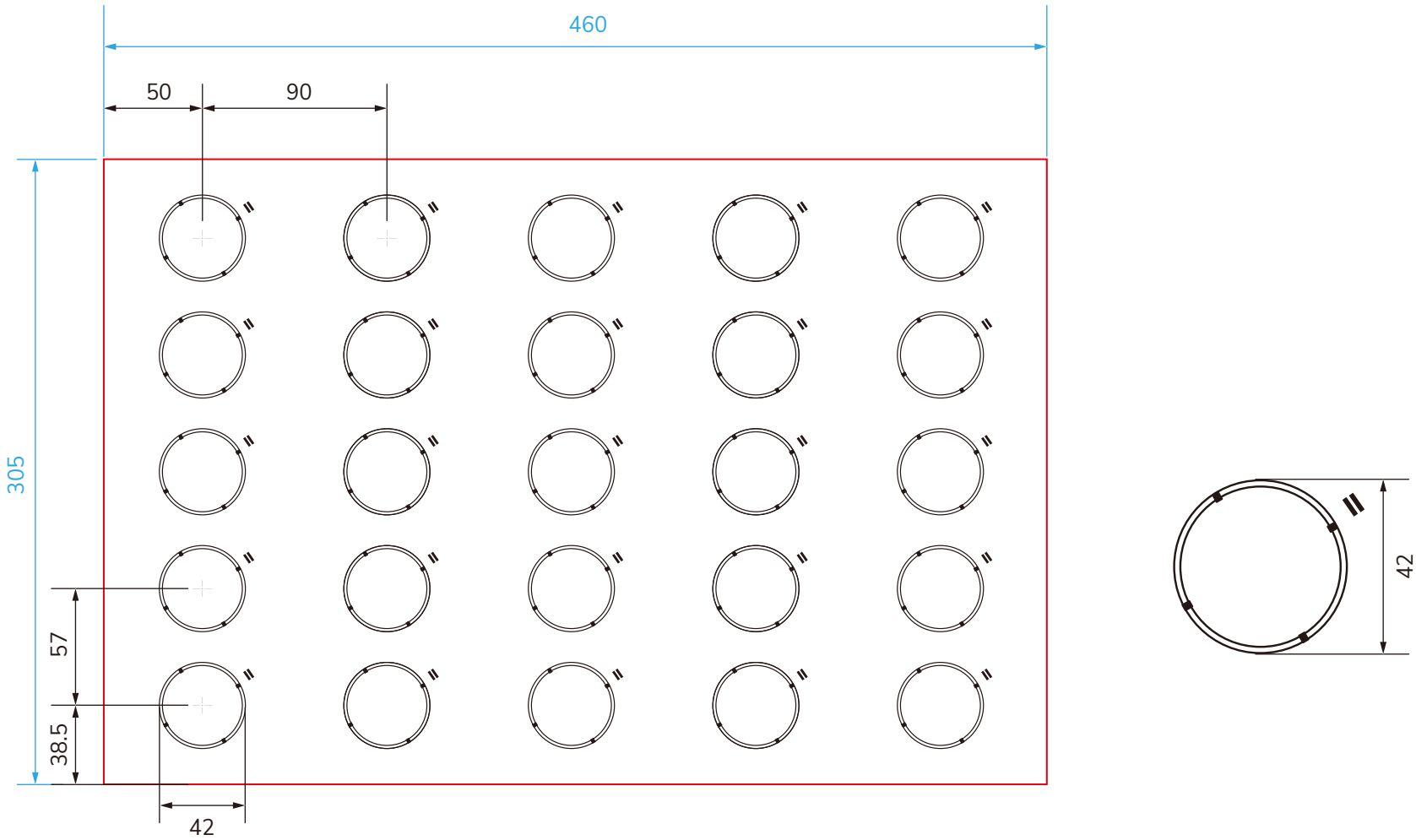


472×290 mm layout of 3×8 cards(All Dimensions in mm)

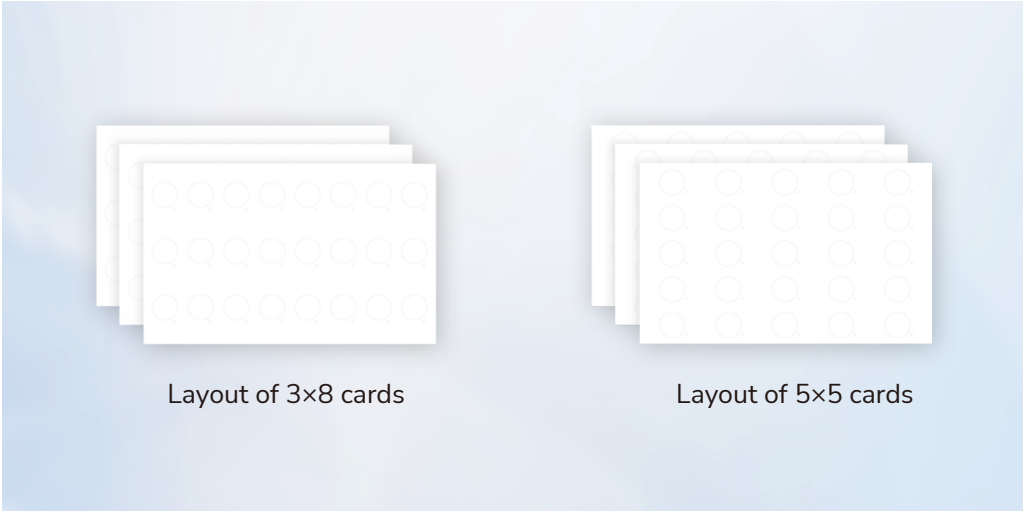


460×305 mm layout of 5×5 cards(All Dimensions in mm)



EM4200 BioPoly™ Vinyl RFID Inlay Sheet

AZC-EM42-BPVIS



Key Features

Operating Frequency
LF 125 kHz

Chip Type
EM4200

International Standard
ISO/IEC 11784, ISO/IEC 11785

ROM
128 bits (64 and 96 bits option available)

R/W Availability
Read only

1. Product Overview

The EM4200 BioPoly™ Vinyl RFID Inlay Sheet combines eco-friendly BioPoly™ Vinyl material with the robust EM4200 chip operating at 125 kHz. Featuring a read-only 128-bit ROM compliant with ISO/IEC 11784, ISO/IEC11785, it ensures secure and reliable identification. Available in customizable sizes and thicknesses, this lightweight and durable inlay is ideal for sustainable RFID applications that prioritize environmental responsibility without sacrificing performance.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZC-EM42-BPVIS	
Material	BioPoly™ Vinyl	
Size	472×290 mm, 460×305 mm available, or custom sizes upon request	
Thickness	0.5 mm, 0.55 mm available, or custom thicknesses upon request	
Antenna Size	Ø 42 mm	
	472×290 mm	460×305 mm
Layout	3×8	5×5
Weight	Thickness 0.5 mm: approx. 100 g per sheet Thickness 0.55 mm: approx. 110 g per sheet	Thickness 0.5 mm: approx. 102.5 g per sheet Thickness 0.55 mm: approx. 112.75 g per sheet



2.2 Technical Parameters

Operating Frequency	125 kHz
Protocol	ISO/IEC 11784, ISO/IEC 11785
Resonant Capacitor	0pF, 75pF or 250pF mask option
Several Options of Data Rate and Data Encoding	Manchester 32 and 64 RF clocks per bit Biphase 32 and 64 RF clocks per bit PSK 16 RF clocks per bit (subcarrier RF/2) FSK2 50RF clocks per bit

2.3 Chip Characteristics

Chip Manufacturer	EM microelectronic
Chip Type	EM4200
ROM	128 bits (64 and 96 bits option available)
R/W Availability	Read only

2.4 Additional Information

Storage Environment	+18°C~+28°C, 40%~60% RH
Precaution	Inlays with “x” marks are bad ones, do not use
Care Tips	1. Avoid excessive bending 2. Keep away from water and collision 3. Store in cool and dry place
Cleaning Tips	1. Use a soft, dry cloth 2. Avoid harsh chemicals or abrasive cleaners 3. Remove stains immediately



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