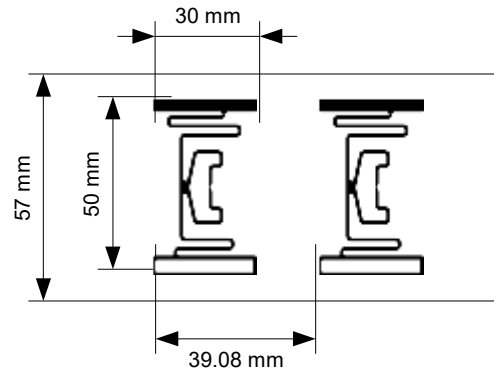
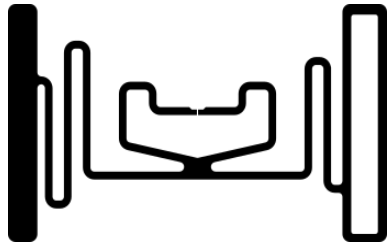


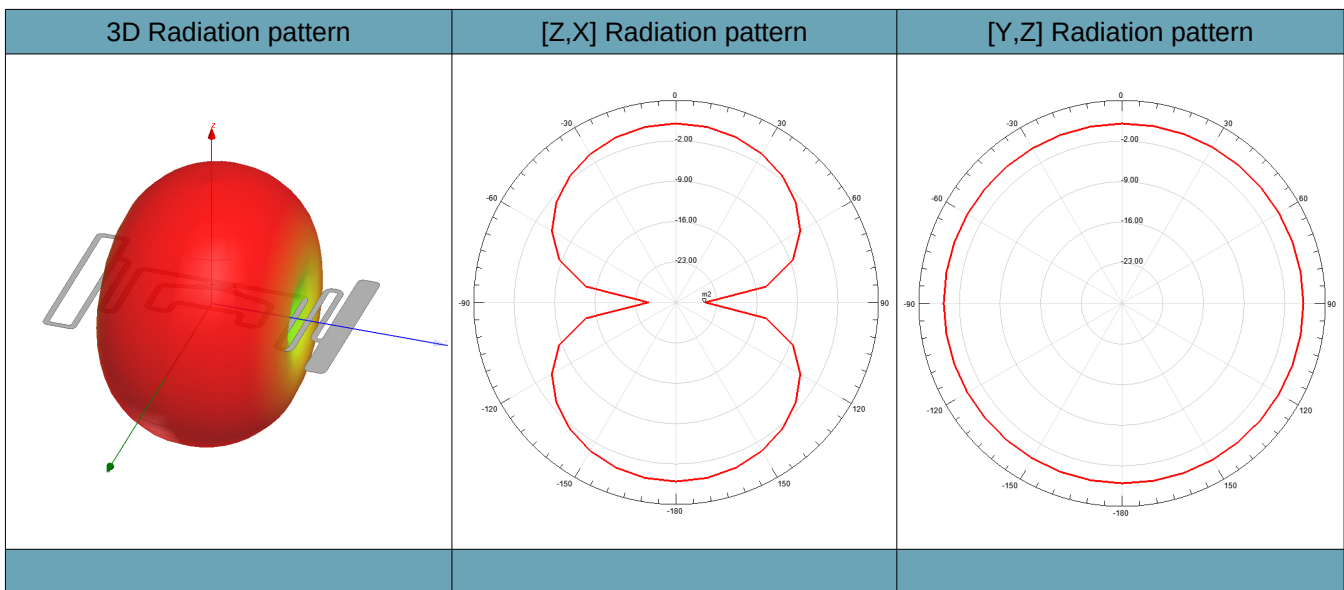
## Inlay Features



- Rain RFID compliant
- Common 30x50 mm format
- Supports NXP UCode and EM Marin dies

## Inlay Layout and Dimensions

	UH427
Antenna width	59mm ± 0.5mm(1.97in ± 0.02in)
Antenna length	30mm ± 0.5mm(1.18in ± 0.02in)
Lengthwise pitch	39.08mm ± 0.5mm(1.54in ± 0.02in)
Web width	57mm ± 0.5mm(2.24in ± 0.02in)



### Inlay Composition

Composition	Material	Thickness* [μm]
Top	Aluminium	9 ± 5%
Support	Polyester PET	38 ± 5%

\* Overall thickness depends on the IC. For IC thickness please refer to the "Available ICs" table

### Available ICs

	NXP UCode 7	EM Marin EM4124	EM Marin EM4126	
Product code	<b>UH427-U7</b>	<b>UH427-EM4124</b>	<b>UH427-EM4126</b>	
Operating frequency	860 ÷ 960 MHz			
Standard compliance	EPC Class 1 Gen2 – ISO 18000-6C			
Thickness	120μm ± 15μm	152μm ± 15μm	152μm ± 15μm	
Operating temperature	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	
Unique serial number	Automatic TID based self serialization	32 bits in EPC & TID bank	32 bits serialized in EPC, non locked	
EPC code	128 bits	96 bits	208 bits	
User memory	-	-	-	
TID (locked)	96 bits	64 bits	32 bits	
Reserved memory	64 bits (for Kill and Access passwords)	64 bits (for Kill and Access passwords)	-	
Write endurance	20 years	10 years	10 years	
Data retention	100 000 cycles	10 000 cycles	10 000 cycles	

### General supply conditions

Reel dimensions	Internal diameter	76 mm
	External diameter	< 300 mm (custom sizes available upon request)
Reel quantity	Inlay per reel	tbd