

# LF Receiver Antenna CAS143



## Description

- Compact LF receiver antenna (3D).
- Covered by over-molding
- High Sensitivity and Reliability.
- L × W × H: 15.0 × 13.7 × 4.0 mm Max.
- Product weight: 1.86g Ref..
- RoHS compliance.

## Environmental Data

- Operating temperature range: -40°C~+85°C
- Storage temperature range: -40°C~+100°C

## Packaging

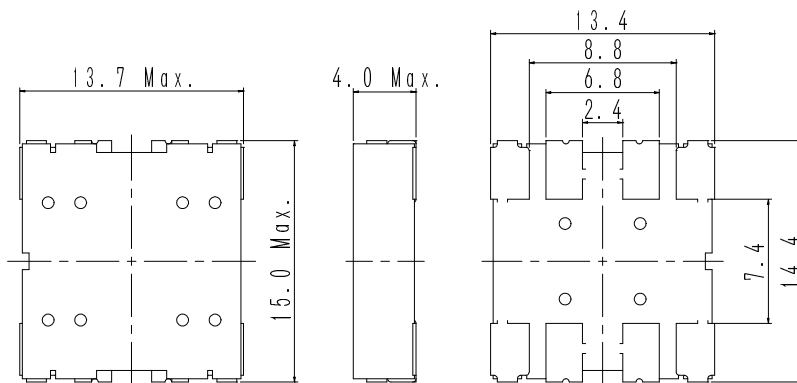
- Carrier Tape and Reel.
- Tape specification according to EIA481.
- 500pcs/reel.

## Applications

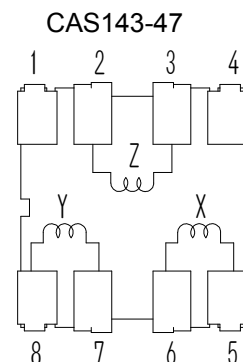
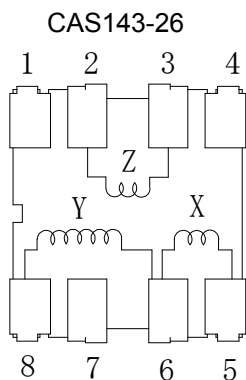
- PEPS, Smart key system.
- Security system



## Dimension - [mm]



## Schematic diagram (2 kinds)



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## Electrical Characteristics

Part number	Item	5-6 ( X-axis )	8-6 ( Y-axis )	2-3 ( Z-axis )	Measuring condition
CAS143-26	Inductance	2.66mH±5%	2.66mH±5%	3.8mH±5%	134.2kHz, 1Vac
	Unloaded Q	44 ( typ. )	41 ( typ. )	45 ( typ. )	134.2kHz, 1Vac
	S.R.F	1000kHz (typ.)	800kHz (typ.)	600kHz (typ.)	
CAS143-47	Item	5-6 ( X-axis )	7-8 ( Y-axis )	2-3 ( Z-axis )	
	Inductance	4.7mH±5%	4.7mH±5%	7.2mH±5%	125kHz, 1Vac
	Unloaded Q	47 ( typ. )	45 ( typ. )	50 ( typ. )	125kHz, 1Vac
	S.R.F	800kHz (typ.)	800kHz (typ.)	500kHz (typ.)	

\* It is possible for different inductance value.

For more information, please browse our website <http://www.sumida.com>

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