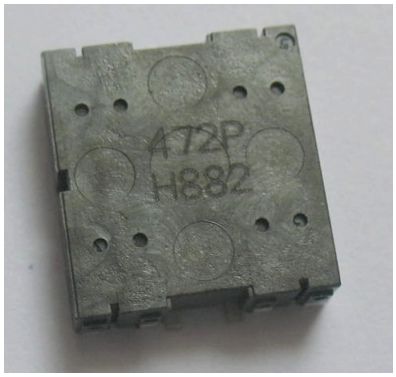
LF Receiver Antenna
CAS143

RoHS



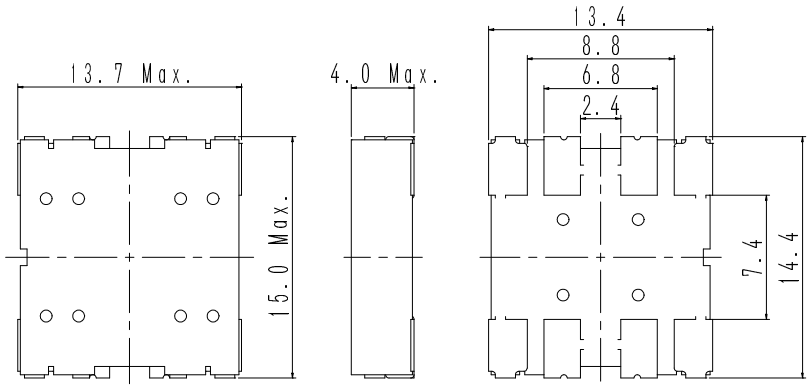
Description
- Compact LF receiver antenna (3D).
- Covered by over-molding
- High Sensitivity and Reliability.
- L × W × H: 15.0 × 13.7x 4.0 mm Max.
- Product weight:1.86g Ref..
- RoHS compliance.

Environmental Data
- Operating temperature range: -40℃~+85℃
- Storage temperature range: -40℃～+100℃

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

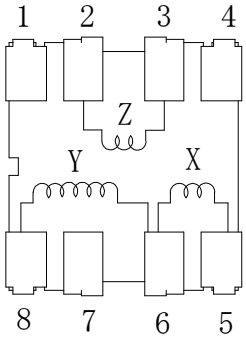
Applications
- PEPS, Smart key system.
- Security system

Dimension - [mm]

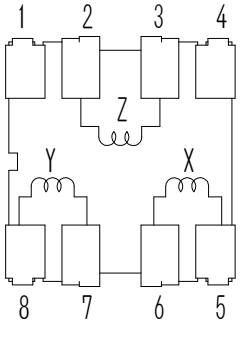


Schematic diagram (2 kinds)

CAS143-26



CAS143-47



Revised: 17-Aug-11

LF Receiver Antenna
CAS143

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.

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