



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

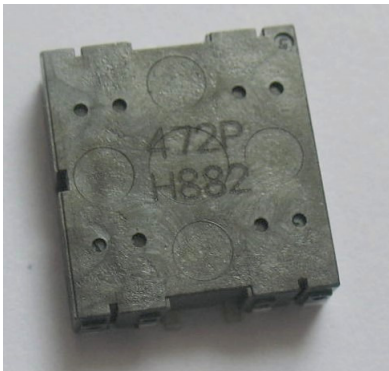
- Operating temperature range: -40°C~+85°C
- Storage temperature range: -40°C~+100°C

Packaging

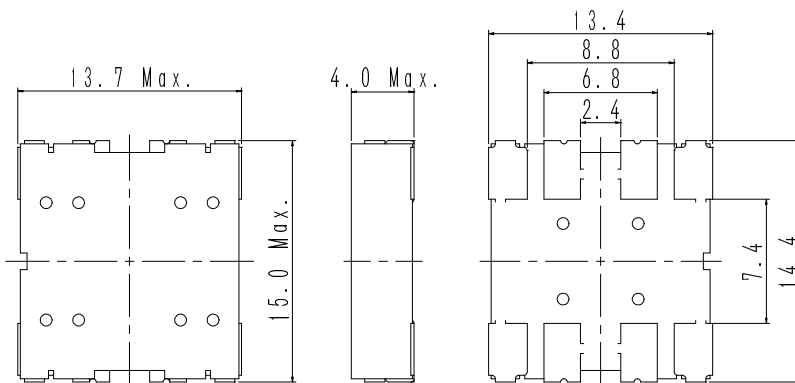
- Carrier Tape and Reel.
- Tape specification according to EIA481.
- 500pcs/reel.

Applications

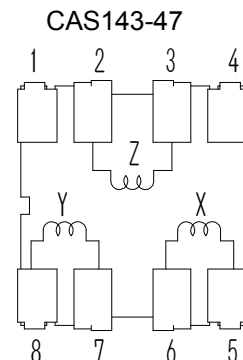
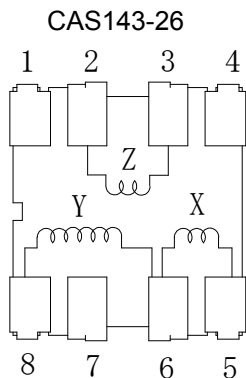
- PEPS, Smart key system.
- Security system



Dimension - [mm]



Schematic diagram (2 kinds)



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 \pm 5%	2.66mH \pm 5%	3.8mH \pm 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 \pm 5%	4.7mH \pm 5%	7.2mH \pm 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>

Hong Kong

Tel.+852-2880-6688
FAX.+852-2565-9600

Tokyo

Tel.+81-3-5202-7112
FAX.+81-3-5202-7105

Chicago

Tel.+1-847-545-6700
FAX. +1-847-545-6720

Shanghai

Tel.+86-021-5836-3299
FAX.+86-021-5836-3266

Seoul

Tel.+82-2-6237-0777
FAX.+82-2-6237-0778

Obernzell

Tel.+49-8591-937-0
FAX. +49-8591-937-103

Shenzhen

Tel.+86-755-8291-0228
FAX.+86-755-8291-0338

Singapore

Tel.+65-6296-3388
FAX.+65-6296-3390

Neumarkt

Tel.+49-9181-4509-110
FAX. +49-9181-4509-310

Taipei

Tel.+886-2-8751-2737
FAX.+886-2-8751-2738

San Jose

Tel.+1-408-321-9660
FAX.+1-408-321-9308