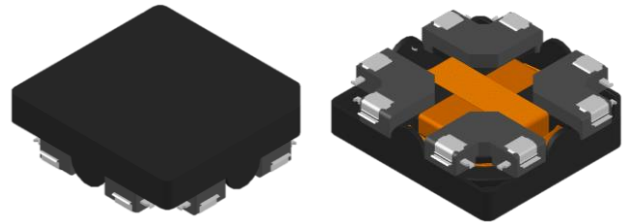




CMI-3DC13036-SERIES

Features

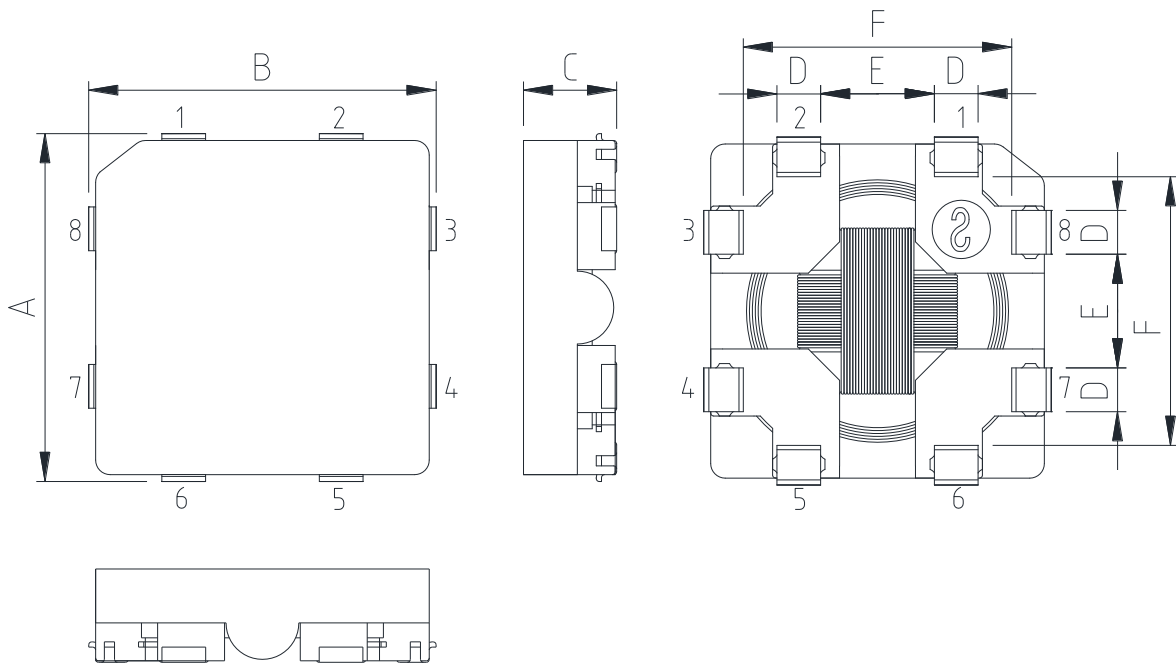
- ▶ Encapsulated core and winding for anti-shock proof.
- ▶ High reliability conforms to automotive application.
- ▶ Wide range of inductance values, flexible design.
- ▶ Triaxial LF antenna coil.
- ▶ Application to reflow soldering.
- ▶ AEC-Q200 qualified.



Applications

- ▶ Suitable as a Transponder Antenna Coil for Keyless Entry System.

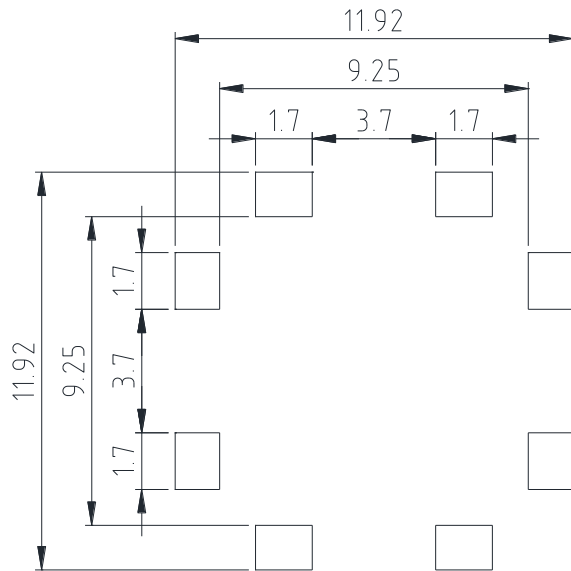
Dimension (Unit:mm)



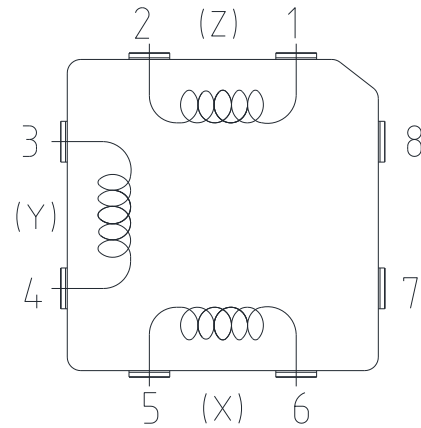
A	B	C	D	E	F
13 Max.	13 Max.	3.6 Max	1.5 Typ.	3.9 Typ.	9.45 Typ.

• You can also contact us by e-mail : coilmaster@coilmaster.com
 • All specifications are subject to change without notice.
 • Update date : 2023.08.08

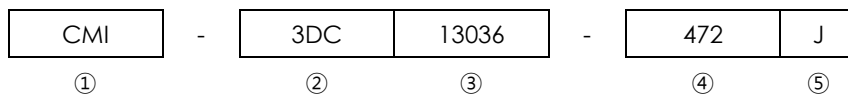
Land Pattern (Unit:mm)



Schematic Diagram



Regulation of part number



- ① CoilMaster's initial
- ② Series Name
- ③ Core Size (unit:mm)
- ④ Typical inductance value (4700 uH)
- ⑤ Inductance tolerance ($\pm 5\%$)

Specifications

Part Number	X axis			Y axis			Z axis		
	L	Q _{Min.}	DCR _{Typ.}	L	Q _{Min.}	DCR _{Typ.}	L	Q _{Min.}	DCR _{Typ.}
CMI-3DC13036-472J	4.7 mH	20	79 Ω	4.7 mH	20	90 Ω	4.7 mH	20	72 Ω
CMI-3DC13036-682J	3.3 mH	25	70 Ω	3.3 mH	25	80 Ω	6.8 mH	45	92 Ω

- Test Condition : 125kHz
- Inductance Tolerance : $\pm 5\%$
- Operating Temperature Range(including self temperature) : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

▪ You can also contact us by e-mail : coilmaster@coilmaster.com

- All specifications are subject to change without notice.
- Update date : 2023.08.08

www.coilmaster.com

Packaging

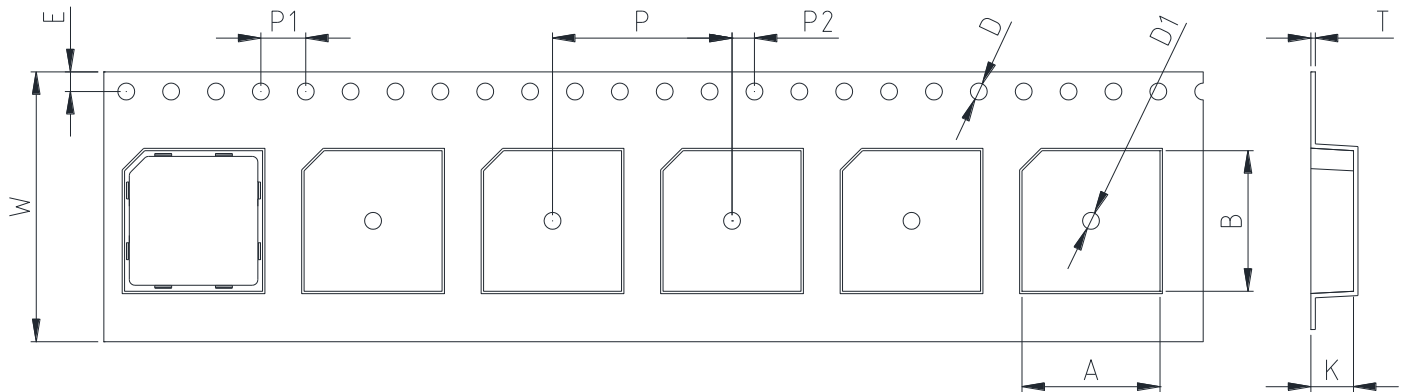
(1) Package quantity : 1,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
24.50	100.0	2.30	330.0	2.30	21.50	13.00
+1.00	+1.50	+0.20	+3.00	+0.30	+0.30	+0.50
-1.00	-1.50	-0.20	-3.00	-0.30	-0.30	-0.20

(3) Tape Dimensions



W	A	B	K	E	F	P	P1	P2	D/D1	T
24.00	12.30	12.50	3.80	1.75	11.50	16.00	4.00	2.00	1.50	0.40
+0.30	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.15	+0.10	+0.05
-0.30	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.15	-0.00	-0.05

Korea Sales Office (KOREA) +82)31-904-1444
 China Sales Office (CHINA) +86)0758-683-1444
 Hungary Sales office (EUROPE) +36)1-404-5832

H.K Sales Office (HONGKONG) +852)2711-5551
 LA Sales Office (USA) +1)714-616-6989

• You can also contact us by e-mail : coilmaster@coilmaster.com

- All specifications are subject to change without notice.
- Update date : 2023.08.08

www.coilmaster.com