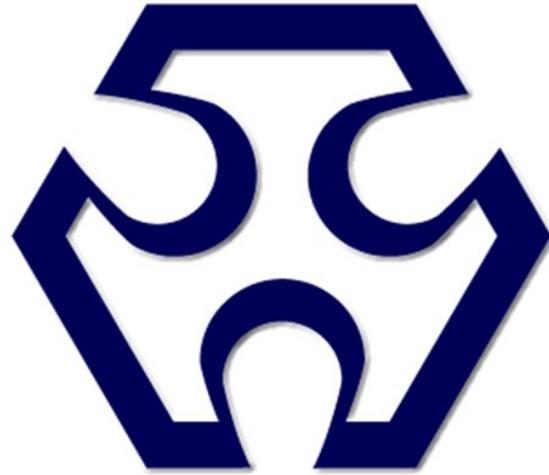


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# TOKEN

## (TCTK) Vertical Base mounted Toroidal Coils

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## ▶ Product Introduction

### Introduction (TCTK)

#### Features :

- Vertical base mounted.
- Low cost, High current.
- Closed magnetic circuit for lowest EMI.

#### Applications :

- Copying Machine, Display Monitor, ADSL Modem,
- Gaming Machine, Color TV, Video Camera, Air Conditioner,
- Refrigerator, Laundry Machine, Microwave Oven and Car Electronics.

Token's Power Inductor Toroidal Coils with closed magnetic circuit for lowest EMI. Toroidal coils are electronic components with the high performers among inductors, typically consisting of a circular ring-shaped magnetic core of iron powder, ferrite, or other material around which wire is coiled to make an inductor. Their windings cool better because of the proportionally larger surface area. Toroidal inductors with a round core cross section are better performers than toroidal inductors with a rectangular cross section.

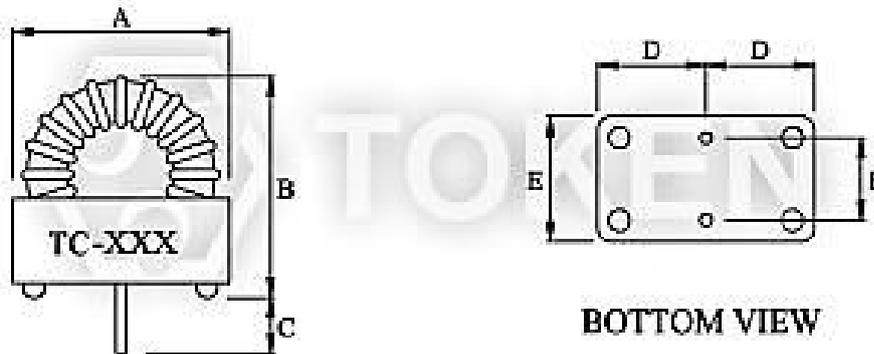
With vertical base mounted Token TCTK series toroidal coils introduces advanced materials of iron core and special-purpose resins to produce the greatest inductance, high current, Lowest EMI, and Low cost. The TCTK is the most common kind of power inductors. Token TCTK utilizes closed magnetic circuit design enabling the lowest EMI and is suitable for Copying Machine, Display Monitor, ADSL Modem, Refrigerator, Laundry Machine, Microwave Oven, Car Electronics, Gaming Machine, Color TV, Video Camera, and Air Conditioner.

Full line products meet RoHS compliant. Token will also produce devices outside these specifications to meet specific customer requirements, contact us with your specific needs. For more information, please link to Token official website "[Through Hole Inductors](#)".

► Configurations & Dimensions

Configurations & Dimensions (Unit: mm) (TCTK)

Type	A ± 0.5	B (max)	C ± 1.0	D (Ref.)	E ± 0.5	F ± 0.5
TCTK4452	14.7	17.0	5.0	7.35	8.6	5.6
TCTK5052	16.5	18.0	5.0	8.25	11.4	7.6
TCTK6852	21.0	25.0	5.0	10.50	11.4	7.6
TCTK8052	24.1	27.5	5.0	12.05	15.2	11.4



Vertical Base Mounted (TCTK) Dimensions

● Note: Design as Customer's Requested Specifications.

► Order Codes

Order Codes (TCTK)

TCTK4452	-	1R0	M
Part Number		Inductance	Tolerance
TCTK4452			K 10%
TCTK5052			L 15%
TCTK6852			M 20%
TCTK8052			N 30%
			Y min

## ▶ General Information

### Leading-Edge Technology

Token Electronics brand passive component specializes in standard and custom solutions offering the latest in state-of-the-art low profile high power density inductor components. Token provides cost-effective, comprehensive solutions that meet the evolving needs of technology-driven markets. In working closely with the industry leaders in chipset and core development, we remain at the forefront of innovation and new technology to deliver the optimal mix of packaging, high efficiency and unbeatable reliability. Our designs utilize high frequency, low core loss materials, new and custom core shapes in combination with innovative construction and packaging to provide designers with the highest performance parts available on the market.

### Find Inductor Solutions Faster

**Find Your Inductor** - [wt.moc.nekot@qfr](mailto:wt.moc.nekot@qfr)

Only timely and accurate information can help manage the changing needs of your customers. The Token Inductor Finder puts you only a click away from all of the inductor information you need.

**Find Your Solution** - [wt.moc.nekot@qfr](mailto:wt.moc.nekot@qfr)

Selecting the correct inductor solution will not only save you time, but it will give you a competitive edge. At Token, we are committed to helping you find the most efficient alternative for your power design. Our inductor and power supply design experts can help you make that selection.

Please forward us:

- A brief description of your particular application's requirements.
- Details of an existing solution that you'd like to replace, enhance or find an alternative.
- Inquiries for feasibility to tailor a power transformer or inductor to your specific application.

We can also help you with any additional technical information you might need relating to any of our products.

**Ask Us Today**

