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# **(TCWB) Inductor Filter Coils Wide Band Choke**

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**▶ Product Introduction****Excellent EMI Suppression Capability Wide Band Choke Coils (Inductor Filter).****Features :**

- Ferrite core construction of low cost.

**Applications :**

- VGA card, EGA card, Mother board, TV game.

Broadband choke inductors, also known as choke coils, are a common mode ferrite as the core of the interference suppression devices. It consists of two same sizes, the same number of turns of coils, symmetrically wound on the same ferrite toroidal cores, and forming a four-terminal device.

Shown on the common-mode signal inhibits the growth of large inductor, but for differential-mode signal showing a small leakage inductance is almost ineffective. Choke coils used in a balanced circuit can effectively suppress common mode interference signals (such as lightning interference), while the normal transmission line differential-mode signal has no effect.



Token's TCWB series use of insulation between the coil cores winding method. To ensure that the transient over-voltage under the action of short circuit breakdown does not occur. And when the instantaneous high currents flowing through the coil, the core is not saturated. The wide band choke cores mainly used in the PC boards to filters the EMI from the outsiders.

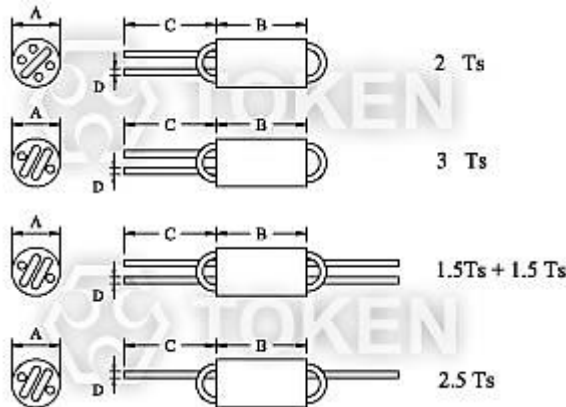
Token utilizes the latest winding technology reducing parasitic capacitance of the coil and enhancing the ability of transient over-voltage. Token Electronics will also produce devices outside these specifications to meet customer requirements, with comprehensive application engineering and design support available for customers worldwide. Contact us with your specific needs. For more information, please link to Token official website "[Through Hole Inductors](http://www.token.com.tw)".



► Configurations & Dimensions

Configurations & Dimensions (Unit: mm) (TCWB)

Type	$\Phi A \pm 0.5$	$B \pm 0.5$	$C \pm 3.0$	$\Phi D \pm 0.05$
TCWBR6H - 1.5Ts	6.0	10.0	25.0	0.5 / 0.6
TCWBR6H - 2.5Ts	6.0	10.0	25.0	0.5 / 0.6
TCWBR6H - 3.0Ts	6.0	10.0	25.0	0.5 / 0.6
TCWBR6H - 1.5+1.5Ts	6.0	10.0	25.0	0.5 / 0.6



Broadband Chokes (TCWB) Dimensions

● Note: Design as Customer's Requested Specifications.

► Order Codes

Order Codes (TCWB)

TCWB	R6H	-	2.5
Part Number	Hole		No. of Turns
TCWB	R6H	6 holes	
	R8H	8 holes	

## ► 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

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

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**

