

# Torroids Choke Coils

## Features

- The TR series coil are made from iron powder to provide High performance, compact size and low cost.
- These products have high saturation magnetic-flux density And excellent DC superposition characteristics.
- These products have low leakage and acoustic noise is minimal.



## Applications

- Choke coil for smoothing circuit of the switching power supply.
- Choke coil for active filter.
- Power lines filter for EMC application.

## Part Number Systems

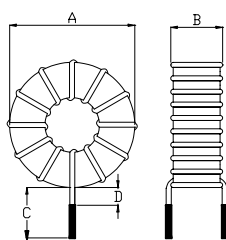
**TR - 1812 - 1R0 - M - V-LF**

(1) (2) (3) (4) (5) (6)

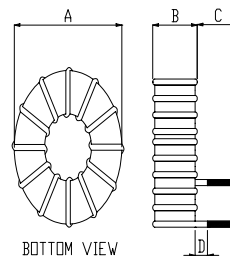
(1)	Product series	(2)	Size
(3)	Inductance Value: 1R0 = 1 uH	(4)	Inductance Tolerance:
(5)	Type: (V or H)	M = ± 20%, L = ± 15%, K = ± 10%	
(6)	ROHs Compliant		

## Shape And Dimensions

Vertical Mount Type (V)



Horizontal Mount Type (H)



Unit: mm

Type	A (Max)	B (Max)	C	D (Max)
1812	18	12	12 ± 2	0.5

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TR-1812-Series		ELECTRICAL CHARACTERISTICS		
Part Number	Inductance (uH)	L Test Frequency	Rdc ( $\Omega$ ) Max	Permissible DC Current ( $\Omega$ ) Max/ L(uH) Min. when current applied
TR-1812-1R0M-V/H-LF	1.0	1KHz	5	15/0.8
TR-1812-1R2M-V/H-LF	1.2	1KHz	5	15/1.0
TR-1812-1R5M-V/H-LF	1.5	1KHz	6	15/1.2
TR-1812-1R8M-V/H-LF	1.8	1KHz	6	12/1.5
TR-1812-2R0M-V/H-LF	2.0	1KHz	6	12/1.6
TR-1812-2R2M-V/H-LF	2.2	1KHz	7	12/1.7
TR-1812-2R5M-V/H-LF	2.5	1KHz	7	10/2.0
TR-1812-2R7M-V/H-LF	2.7	1KHz	7	10/2.2
TR-1812-3R0M-V/H-LF	3.0	1KHz	7	10/2.4
TR-1812-3R3M-V/H-LF	3.3	1KHz	8	9.0/2.7
TR-1812-3R5M-V/H-LF	3.5	1KHz	8	9.0/2.8
TR-1812-3R9M-V/H-LF	3.9	1KHz	8	9.0/3.3
TR-1812-4R0M-V/H-LF	4.0	1KHz	8	8.0/3.2
TR-1812-4R5M-V/H-LF	4.5	1KHz	9	8.0/3.6
TR-1812-4R7M-V/H-LF	4.7	1KHz	9	8.0/3.8
TR-1812-5R0M-V/H-LF	5.0	1KHz	9	7.0/4.0
TR-1812-5R5M-V/H-LF	5.5	1KHz	9	7.0/4.4
TR-1812-6R0M-V/H-LF	6.0	1KHz	9	7.0/4.8
TR-1812-6R5M-V/H-LF	6.5	1KHz	9	6.0/5.2
TR-1812-7R0M-V/H-LF	7.0	1KHz	10	6.0/5.6
TR-1812-7R5M-V/H-LF	7.5	1KHz	10	5.0/6.1
TR-1812-8R0M-V/H-LF	8.0	1KHz	10	5.0/6.4
TR-1812-8R5M-V/H-LF	8.5	1KHz	11	4.0/6.8
TR-1812-9R0M-V/H-LF	9.0	1KHz	11	4.0/7.2
TR-1812-9R5M-V/H-LF	9.5	1KHz	12	3.0/7.6
TR-1812-100M-V/H-LF	10.0	1KHz	12	3.0/8.0

\* All specifications are subjected to change without prior notice.