

Toroidal Coil Inductors-T Series



FEATURES

- Offering much lower losses, with energy storage capability high.
- Toroidal distributed gap makes less leakage of magnetic flux.
- High saturation current.
- Various types of forming are available.

APPLICATIONS

EMI filters, loading coils and Q filters, Switching mode power supplies, Noises filters and pul.

PRODUCT IDENTIFICATION

01

ZT

02

I

03

5026

—

05

2R2

06

M

01

Type

ZT

Toroidal Coil Inductor

02

Product Symbol

I、H、II、HH

02

External Dimensions (ΦAxB)(mm)

5026

18.0x 8.0

04

Nominal Inductance

Example

Nominal value

2R2

2.2uH

220

22uH

221

220uH

05

Tolerance

K

±10%

M

±20%

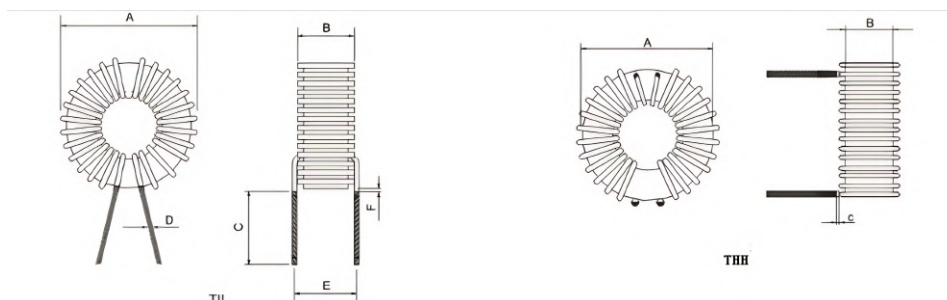
N

±30%

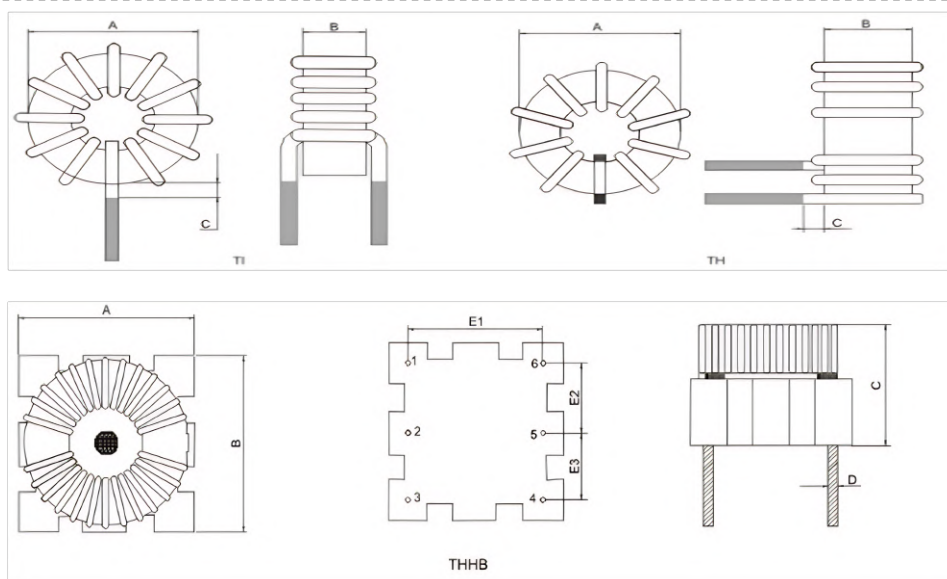
P

±50%

SHAPE AND DIMENSIONS



Note: The products can be customized according to customer requirement



Part Number	Dimensions(mm)		
	$\Phi A(\text{Max})$	B(MAX)	Fig
TI3026	11	6	TI
TI3726	12	7	
TI4426	16	8	
TI5026	18	8	
TI6026	20	10	
TI6053	22	10	
TI6826	22	10	
TI6826A	22	10	
TI8026	26	12	
TI9014	24	13	
TI9026	31	16	
TI10626	34	13	
TI15026	50	20	
TI15026	22	12	TII
TI15026B	24	14	
TI16026	20	10	
TI16510	22	12	
TI16826	22	12	
TH3008	12	7	TH
TH3026	12	6	
TH4426	17	8	
TH5052	18	10	
TH5052B	18	12	
TH6008	19	12	
TH9426	30	13	

Part Number	Dimensions(mm)		
	ΦA(Max)	B(MAX)	Fig
THH3026	10	6	THH、THH2
THH5026	20	10	
THH6026	21	12	
THH26826A	22	10	
THH28026	24	10	
THHB9X5X3	13	13	THHB

Note: The products can be customized according to customer requirement

SPECIFICATIONS

● ZTI TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTI3026-2R2	2.2	K、M、N	1/0.25	0.015	700	3000
ZTI3026-4R7	4.7		1/0.25	0.025	500	2000
ZTI3026-100	10		1/0.25	0.045	350	1500
ZTI3026-270	27		1/0.25	0.100	250	1000
ZTI3026-500	50		1/0.25	0.120	200	800
ZTI3026-101	100		1/0.25	0.360	150	700
ZTI3726-240	24		1/0.25	0.080	250	1000
ZTI4426-5R6	5.6		1/0.25	0.020	700	3000
ZTI4426-501	500		1/0.25	0.060	500	2000
ZTI5026-R82	0.82		1/0.25	0.005	1000	5000
ZTI5026-4R7	4.7		1/0.25	0.020	800	4000
ZTI5026-8R2	8.2		1/0.25	0.030	800	3500
ZTI5026-600	60		1/0.25	0.100	700	3000
ZTI5026-101	100		1/0.25	0.150	700	3000
ZTI5026-151	150		1/0.25	0.200	600	2500
ZTI6026-2R5	2.5		1/0.25	0.010	12000	6000
ZTI6026-3R3	3.3		1/0.25	0.015	3000	15000
ZTI6026-220	22		1/0.25	0.045	1000	5000

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTI6026-900	90	K、M、N	1/0.25	0.075	700	3000
ZTI6026-151	150		1/0.25	0.090	600	2500
ZTI6053-220	220		1/0.25	0.040	350	1500
ZTI6826-1R5	1.5		1/0.25	0.005	15000	7000
ZTI6826-2R1	2.1		1/0.25	0.010	700	3000
ZTI6826-250	25		1/0.25	0.050	900	4500
ZTI6826-320	32		1/0.25	0.060	800	4000
ZTI6826-430	43		1/0.25	0.100	700	3000
ZTI6826-111	110		1/0.25	0.100	600	2500
ZTI6826-131	130		1/0.25	0.150	500	2000
ZTI6826A-2R1	2.1		1/0.25	0.005	12000	6000
ZTI8026-500	50		1/0.25	0.030	1000	5000
ZTI8026-600	60		1/0.25	0.035	900	4500
ZTI8026-101	100		1/0.25	0.040	800	4000
ZTI8026-221	220		1/0.25	0.065	750	3500
ZTI9014-152	1500		1/0.25	0.015	900	5000
ZTI9014-103	10000		1/0.25	0.045	800	4000
ZTI9026-R82	0.82		1/0.25	0.080	900	5000
ZTI9026-1R8	1.8		1/0.25	0.010	3000	12000
ZTI9026-680	68		1/0.25	0.050	2000	10000
ZTI9026-321	320		1/0.25	0.120	900	5000
ZTI9026-471	470		1/0.25	0.120	1500	7000
ZTI10626-300	30		1/0.25	0.028	2000	10000
ZTI10626-350	35		1/0.25	0.030	2000	10000
ZTI10626-121	120		1/0.25	0.050	2000	10000
ZTI15626-350	35		1/0.25	0.056	900	5000

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$, M: $\pm 20\%$;

1. Operating temperature range -40 -125°C

2. Isat for Inductance drop 30% from its value without current

3. The products can be customized according to customer requiremen.



Specifications subject to change without notice. Please check our website for latest information.

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● ZTII TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTII5026-200/200	20	K、M、N	1/0.25	0.040	700	3000
ZTII5026-8R2/8R2	8.2			0.040	900	5000
ZTII6026-1R2/1R2	1.2			0.020	800	4000
ZTII6026-220/220	22			0.045	900	5000
ZTII6510-201/201	200			0.010	900	5000
ZTII6826-430/430	43			0.080	700	3000

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● ZTH TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTH3008-R56	0.56	K、M、N	1/0.25	0.020	500	2000
ZTH3026-7R2	7.2	K、M、N	1/0.25	0.040	200	1000
ZTH3026-100	10			0.045	500	2000
ZTH3026-270	27			0.0100	100	400
ZTH4426-100	10			0.090	500	2000
ZTH5052-330	33			0.500	900	5000
ZTH5052B-330	33			0.050	900	5000
ZTH6008-100	10			0.040	2000	10000
ZTH6008-220	22			0.045	900	5000
ZTH9426-501	500			0.150	700	3000
ZTH10608-300	30			0.045	2000	10000

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● ZTHH TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTHH3026-4R7/4R7	4.7	K、M、N	1/0.25	0.035	700	3000
ZTHH3026-150/150	15		1/0.25	0.080	20	100
ZTHH5026-200/200	20		1/0.25	0.040	700	3000
ZTHH5026-101/101	100		1/0.25	0.200	500	2000
TZHH5026-221/221	220		1/0.25	0.450	250	1000
ZTHH6026-1R3/1R3	1.3		1/0.25	0.005	800	4000
ZTHH6026-220/220	22		1/0.25	0.045	900	5000
TZHH6026-181/181	180		1/0.25	0.250	500	2000
ZTHH26826A-1R5/1R5	1.5		1/0.25	0.005	1000	6000
ZTHH28026-1R2/1R2	1.2		1/0.25	0.005	1000	6000
ZTH10608-300	30		1/0.25	0.045	2000	10000

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$, M: $\pm 20\%$;

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● ZTHHB TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
ZTHHB9 $\times 5 \times 3$ -301/301	300	K、M、N	1/0.25	0.045	700	3000
ZTHHB9 $\times 5 \times 501$ /501	500		1/0.25	0.080	20	100
ZTHHB10 $\times 6 \times 5$ -500/500	50		1/0.25	0.030	500	2000
ZTHHB10 $\times 6 \times 5$ -151/151	150		1/0.25	0.040	500	2000
ZTHHB10 $\times 6 \times 5$ -271/271	270		1/0.25	0.065	350	1500
ZTHHB10 $\times 6 \times 5$ -391/391	390		1/0.25	0.080	350	1500
ZTHH6026-220/220	22		1/0.25	0.045	900	5000
ZTHH6026-181/181	180		1/0.25	0.250	500	2000
ZTHH26826A-1R5/1R5	1.5		1/0.25	0.005	1000	6000
ZTHH28026-1R2/1R2	1.2		1/0.25	0.005	1000	6000
ZTH10608-300	30		1/0.25	0.045	2000	10000

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$, M: $\pm 20\%$;

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