



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.

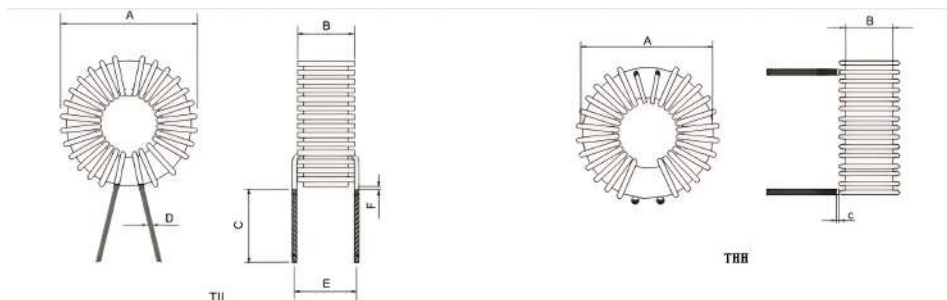
APPLICATIONS

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

PRODUCT IDENTIFICATION

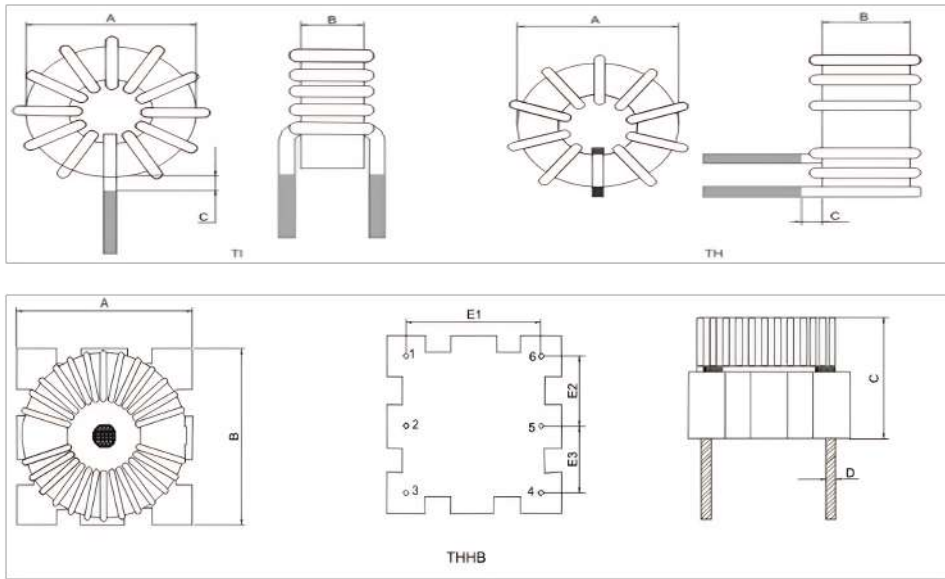
01 T	02 I	03 5026	—	05 2R2	06 M																
01 Type <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">T</td> <td>Toroidal Coil Inductor</td> </tr> </table>		T	Toroidal Coil Inductor	02 Product Symbol <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">I、H、II、HH</td> </tr> </table>		I、H、II、HH	02 External Dimensions (ΦAxB)(mm) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">5026</td> <td style="width: 50%; text-align: center;">18.0x 8.0</td> </tr> </table>		5026	18.0x 8.0											
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04 Nominal Inductance <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Example</th> <th>Nominal value</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2R2</td> <td style="text-align: center;">2.2uH</td> </tr> <tr> <td style="text-align: center;">220</td> <td style="text-align: center;">22uH</td> </tr> <tr> <td style="text-align: center;">221</td> <td style="text-align: center;">220uH</td> </tr> </tbody> </table>		Example	Nominal value	2R2	2.2uH	220	22uH	221	220uH	05 Tolerance <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: center;">K</td> <td style="text-align: center;">±10%</td> </tr> <tr> <td style="text-align: center;">M</td> <td style="text-align: center;">±20%</td> </tr> <tr> <td style="text-align: center;">N</td> <td style="text-align: center;">±30%</td> </tr> <tr> <td style="text-align: center;">P</td> <td style="text-align: center;">±50%</td> </tr> </tbody> </table>		K	±10%	M	±20%	N	±30%	P	±50%		
Example	Nominal value																				
2R2	2.2uH																				
220	22uH																				
221	220uH																				
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)		Fig
	ΦA(Max)	B(MAX)	
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	
TII5026	22	12	
TII5026B	24	14	
TII6026	20	10	
TII6510	22	12	
TII6826	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

● TI TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
TI3026-2R2	2.2	K、M、N	1/0.25	0.015	700	3000
TI3026-4R7	4.7		1/0.25	0.025	500	2000
TI3026-100	10		1/0.25	0.045	350	1500
TI3026-270	27		1/0.25	0.100	250	1000
TI3026-500	50		1/0.25	0.120	200	800
TI3026-101	100		1/0.25	0.360	150	700
TI3726-240	24		1/0.25	0.080	250	1000
TI4426-5R6	5.6		1/0.25	0.020	700	3000
TI4426-501	500		1/0.25	0.060	500	2000
TI5026-R82	0.82		1/0.25	0.005	1000	5000
TI5026-4R7	4.7		1/0.25	0.020	800	4000
TI5026-8R2	8.2		1/0.25	0.030	800	3500
TI5026-600	60		1/0.25	0.100	700	3000
TI5026-101	100		1/0.25	0.150	700	3000
TI5026-151	150		1/0.25	0.200	600	2500
TI6026-2R5	2.5		1/0.25	0.010	12000	6000
TI6026-3R3	3.3		1/0.25	0.015	3000	15000
TI6026-220	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)
TI6026-900	90	K、M、N	1/0.25	0.075	700	3000
TI6026-151	150		1/0.25	0.090	600	2500
TI6053-220	220		1/0.25	0.040	350	1500
TI6826-1R5	1.5		1/0.25	0.005	15000	7000
TI6826-2R1	2.1		1/0.25	0.010	700	3000
TI6826-250	25		1/0.25	0.050	900	4500
TI6826-320	32		1/0.25	0.060	800	4000
TI6826-430	43		1/0.25	0.100	700	3000
TI6826-111	110		1/0.25	0.100	600	2500
TI6826-131	130		1/0.25	0.150	500	2000
TI6826A-2R1	2.1		1/0.25	0.005	12000	6000
TI8026-500	50		1/0.25	0.030	1000	5000
TI8026-600	60		1/0.25	0.035	900	4500
TI8026-101	100		1/0.25	0.040	800	4000
TI8026-221	220		1/0.25	0.065	750	3500
TI9014-152	1500		1/0.25	0.015	900	5000
TI9014-103	10000		1/0.25	0.045	800	4000
TI9026-R82	0.82		1/0.25	0.080	900	5000
TI9026-1R8	1.8		1/0.25	0.010	3000	12000
TI9026-680	68		1/0.25	0.050	2000	10000
TI9026-321	320		1/0.25	0.120	900	5000
TI9026-471	470		1/0.25	0.120	1500	7000
TI10626-300	30		1/0.25	0.028	2000	10000
TI10626-350	35		1/0.25	0.030	2000	10000
TI10626-121	120		1/0.25	0.050	2000	10000
TI15626-350	35		1/0.25	0.056	900	5000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%, M: ±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.



● TII TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
TII5026-200/200	20	K、 M、 N	1/0.25	0.040	700	3000
TII5026-8R2/8R2	8.2			0.040	900	5000
TII6026-1R2/1R2	1.2			0.020	800	4000
TII6026-220/220	22			0.045	900	5000
TII6510-201/201	200			0.010	900	5000
TII6826-430/430	43			0.080	700	3000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、 M: ±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.

● TH TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
TH3008-R56	0.56	K、 M、 N	1/0.25	0.020	500	2000
TH3026-7R2	7.2	K、 M、 N	1/0.25	0.040	200	1000
TH3026-100	10			0.045	500	2000
TH3026-270	27			0.0100	100	400
TH4426-100	10			0.090	500	2000
TH5052-330	33			0.500	900	5000
TH5052B-330	33			0.050	900	5000
TH6008-100	10			0.040	2000	10000
TH6008-220	22			0.045	900	5000
TH9426-501	500			0.150	700	3000
TH10608-300	30			0.045	2000	10000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、 M: ±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.



● THH TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
THH3026-4R7/4R7	4.7	K、M、N	1/0.25	0.035	700	3000
THH3026-150/150	15		1/0.25	0.080	20	100
THH5026-200/200	20		1/0.25	0.040	700	3000
THH5026-101/101	100		1/0.25	0.200	500	2000
THH5026-221/221	220		1/0.25	0.450	250	1000
THH6026-1R3/1R3	1.3		1/0.25	0.005	800	4000
THH6026-220/220	22		1/0.25	0.045	900	5000
THH6026-181/181	180		1/0.25	0.250	500	2000
THH26826A-1R5/1R5	1.5		1/0.25	0.005	1000	6000
THH28026-1R2/1R2	1.2		1/0.25	0.005	1000	6000
THH10608-300	30		1/0.25	0.045	2000	10000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;

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● THHB TYPE

Part Number	Inductance (uH)	Tolerance	Test condition (MHz)	DCR Max(Ω)	Irams Max(mA)	Isat Max (mA)
THHB9×5×3-301/301	300	K、M、N	1/0.25	0.045	700	3000
THHB9×5×501/501	500		1/0.25	0.080	20	100
THHB10×6×5-500/500	50		1/0.25	0.030	500	2000
THHB10×6×5-151/151	150		1/0.25	0.040	500	2000
THHB10×6×5-271/271	270		1/0.25	0.065	350	1500
THHB10×6×5-391/391	390		1/0.25	0.080	350	1500
THH6026-220/220	22		1/0.25	0.045	900	5000
THH6026-181/181	180		1/0.25	0.250	500	2000
THH26826A-1R5/1R5	1.5		1/0.25	0.005	1000	6000
THH28026-1R2/1R2	1.2		1/0.25	0.005	1000	6000
TH10608-300	30		1/0.25	0.045	2000	10000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;

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