RoHS COMPLIANT

Features:

- Useful in a wide variety of power conversion and line filter applications.
- Wound on iron powder material toroidal cores, cost effective design.
- Low volume hand wound to high volume automatic machine wound.
- Covered with UL shrink tubing or non-tube.
- According to customer's requirement change dimension and core material.

Applications:

Power supplies, SwiHTChing Circuits, CRT Monitor, TV Game, Car recharger, DC to DC converter, Output choke, EMI / RFI choke, Other filter.

Ordering Code

HTC 2026 0501 □□□ □ □□

(1) (2) (3) (4) (5) (6) (7)

(1) Product Type Code.
(2) Core Dimension & Material: 0526: OD=0.5”(12.7mm), 26 is Material
(3) WIRE +1=TUBE
(4) Mounting: H: Horizontal , V: Vertica
(5) Inductance: 101=100uH
(6) Inductance Tolerance: K: ±10% , M: ±20%
(7) Rated Current(A): R5=0.5A , 04=4A

Core Material Suggested Frequency Ranges

Material No.	Practical (for DC Choke)	Referene Permeability(μi)	Color/Code
-2	250KHz-30MHz	10	Red/Gray
-6	3MHz-40MHz	9	Yellow/Gray
-8	20KHz-10MHz	35	Yellow/Red
-10	15MHz-100MHz	6	Black/Gray
-14	500KHz-15MHz	14	Black/Red
-15	150KHz-3MHz	25	Red/White
-17	20KHz-200MHz	4	Blue/Yellow
-18	10KHz-1MHz	55	Green/Red
-26	1KHz-500KHz	75	Yellow/White
-28	10KHz-50KHz	22	Gray/Green
-33	20KHz-5MHz	33	Gray/Yellow
-34	20KHz-5MHz	33	Gray/Blue
-35	20KHz-5MHz	33	Yellow/Gray
-38	1KHz-500KHz	85	Gray/Black
-40	1KHz	60	Green/Yellow
-45	1KHz-500KHz	100	Black
-52	1KHz-1MHz	75	Green/Blue

RoHS COMPLIANT

Shape and Size: (Dimension are in mm)

Fig 1: Vertical Style

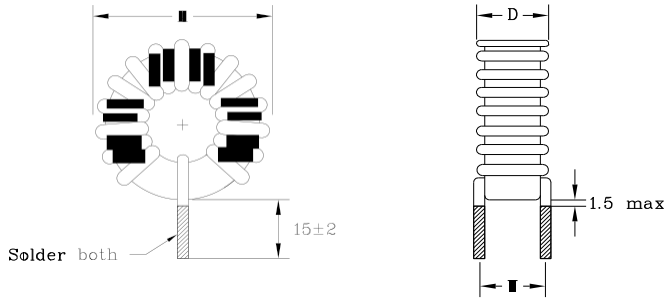
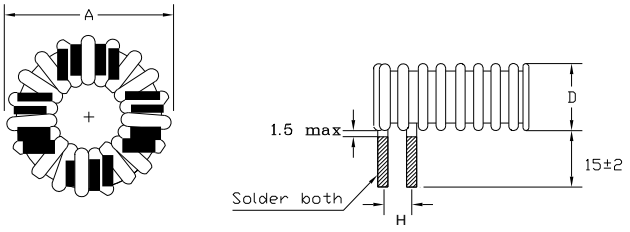


Fig 2: Horizontal Style



Electrical Characteristics :

Part Number	Inductance (µH)		DCR(Ohm) Max	I_{DC} (Amp) Ref.	Dimension (mm)				Weight (Grams) Ref.
	@ 0A	@ I_{DC} (Max)			A (Max)	D (Max)	V (Ref)	H (Ref)	
HTC2026□□5R0MR5	5.0	4.9	0.007	0.5	7.5	4.5	2.5	2.1	0.4
HTC2026□□9R0MR3	9.0	8.8	0.011	0.3	8.0	4.5	2.5	2.1	0.2
HTC2026□□150MR5	15	13.5	0.070	0.5	7.5	4.5	2.5	2.1	0.4
HTC2026□□200MR2	20	19.8	0.198	0.2	7.5	4.0	2.5	2.1	0.2
HTC2026□□270MR1	27	27	0.033	0.1	7.5	4.0	2.5	2.1	0.2
HTC2026□□270MR3	27	25.5	0.031	0.3	8.0	4.5	2.5	2.1	0.2
HTC3026□□100M02	10	7.7	0.017	2.0	12.0	7.0	3.8	2.5	1.6
HTC3026□□120M01	12	10.7	0.040	1.0	10.5	6.0	3.8	2.5	1.2
HTC3026□□320M01	32	25	0.065	1.0	12.0	7.0	3.8	2.5	1.4
HTC3026□□370MR5	37	33.7	0.134	0.5	10.0	5.5	3.8	2.5	1.0
HTC3026□□141MR5	140	107	0.265	0.5	10.0	6.0	3.8	2.5	1.2
HTC3726□□8R2M02	8.2	7.2	0.017	2.0	14.5	7.0	4.0	3.7	2.0
HTC3726□□220M02	22	17	0.030	2.0	14.5	7.5	3.8	2.5	2.4
HTC3726□□240M01	24	22	0.055	1.0	13.5	6.0	4.0	2.5	1.6
HTC3726□□560MR5	56	53	0.181	0.5	12.5	5.5	4.0	3.7	1.4
HTC3726□□680M01	68	53	0.095	1.0	13.5	6.5	4.0	3.7	2.0
HTC3726□□241MR5	240	190	0.360	0.5	13.0	6.5	4.0	3.7	1.6

* Measuring frequency of inductance @ 1KHz , 1Vrms
* Test Equipment: L、I_{DC} Test by Zentech 3305 / 1320 Meter or equivalent.
  RDC Test by Zentech 502 BC Milliohm Meter or equivalent.
* Inductance drops 20% typical at Rated Current.
* Operating temperature range －25℃ to +100℃

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RoHS COMPLIANT

Part Number	Inductance (μH)		DCR (Ohm) Max	I_{DC} (Amp) Ref.	Dimension (mm)				Weight (Grams) Ref.
	@ 0A	@ I_{DC} (Max)			A (Max)	D (Max)	V (Ref)	H (Ref)	
HTC4426□□150M02	15	12.6	0.023	2.0	15.5	7.5	5.5	2.9	2.8
HTC4426□□430M01	43	37	0.074	1.0	14.5	7.0	5.5	2.9	2.6
HTC4426□□680M02	68	42	0.056	2.0	15.5	9.0	5.5	2.9	3.8
HTC4426□□111MR5	110	100	0.250	0.5	14.0	6.5	4.0	3.7	2.4
HTC4426□□141M01	140	104	0.140	1.0	15.0	7.5	5.5	2.9	3.2
HTC4426□□361MR5	360	285	0.460	0.5	14.5	7.5	5.5	2.9	2.8
HTC5026□□200M03	20	15	0.021	3.0	17.5	9.0	6.0	3.2	4.4
HTC5026□□300M02	30	25	0.035	2.0	17.0	8.5	6.0	3.2	4.0
HTC5026□□600M03	60	35	0.038	3.0	18.0	10.0	6.0	3.2	5.8
HTC5026□□680M01	68	60	0.101	1.0	16.0	7.5	6.0	3.2	3.6
HTC5026□□101M02	100	63	0.081	2.0	17.0	9.0	5.5	2.9	5.2
HTC5026□□221M01	220	162	0.190	1.0	16.5	8.0	6.0	3.2	4.4
HTC6026□□220M05	22	15	0.014	5.0	21.5	11.5	6.5	4.0	8.0
HTC6026□□290M04	29	20	0.020	4.0	21.0	11.0	6.5	4.0	7.8
HTC6026□□350M03	35	28	0.035	3.0	20.5	10.5	6.5	4.0	7.6
HTC6026□□580M02	58	45	0.061	2.0	20.0	10.0	6.5	4.0	7.2
HTC6026□□900M03	90	52.5	0.044	3.0	20.5	12.5	6.5	4.0	9.2
HTC6026□□111M02	110	79	0.069	2.0	19.5	10.0	6.0	3.2	8.0
HTC6026□□131M01	130	116	0.180	1.0	19.0	9.0	6.5	4.0	6.4
HTC6026□□471M01	470	310	0.350	1.0	21.0	11.0	6.5	4.0	7.6
HTC6826□□250M05	25	18	0.016	5.0	24.0	10.5	6.0	4.5	9.2
HTC6826□□320M04	32	24	0.021	4.0	23.5	10.0	6.0	4.5	9.0
HTC6826□□430M03	43	30	0.030	3.0	23.0	9.5	6.0	4.5	8.8
HTC6826□□650M02	65	55	0.055	2.0	22.0	9.0	6.0	4.5	8.2
HTC6826□□111M04	110	56	0.042	4.0	23.5	11.0	6.5	4.0	11.4
HTC6826□□131M03	130	77	0.055	3.0	23.0	10.5	6.5	4.0	10.6
HTC6826□□151M01	150	137	0.160	1.0	21.5	9.0	6.0	4.5	7.6
HTC6826□□231M02	230	148	0.108	2.0	22.5	9.5	6.0	4.5	9.8
HTC6826□□501M01	500	355	0.300	1.0	22.0	9.0	6.0	4.5	8.6

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* Inductance drops 20% typical at Rated Current.
* Operating temperature range －25℃ to +100℃

HSIA

RoHS COMPLIANT

Part Number	Inductance(μH)		DCR (Ohm) Max	I_{DC} (Amp) Ref.	Dimension (mm)				Weight (Grams) Ref.
	@ 0A	@ I_{DC} (Max)			A (Max)	D (Max)	V (Ref)	H (Ref)	
HTC8026□□500M05	50	33	0.022	5.0	26.5	12.0	7.5	5.0	14.2
HTC8026□□600M04	60	42	0.030	4.0	26.5	11.5	7.5	5.0	13.7
HTC8026□□750M03	75	54	0.039	3.0	25.5	11.0	7.5	5.0	13.0
HTC8026□□820M03	82	60	0.042	3.0	24.5	10.5	7.5	5.0	13.0
HTC8026□□101M05	100	53	0.033	5.0	26.5	12.5	6.0	4.5	16.8
HTC8026□□111M02	110	90	0.074	2.0	26.5	10.0	6.0	4.5	12.0
HTC8026□□151M05	150	68	0.042	5.0	26.5	13.5	6.0	5.0	18.0
HTC8026□□221M04	220	105	0.059	4.0	26.5	13.0	7.5	5.0	17.9
HTC8026□□271M03	270	140	0.100	3.0	27.0	12.0	7.5	5.0	16.6
HTC8026□□321M02	320	193	0.131	2.0	27.0	11.0	7.5	5.0	14.0
HTC8026□□431M02	430	246	0.150	2.0	26.0	11.0	7.5	5.0	15.0
HTC8026□□961M01	960	625	0.450	1.0	26.0	11.0	7.5	5.0	13.0
HTC9026□□900M03	90	54	0.034	5.0	29.5	15.5	12.0	5.5	23.6
HTC9026□□141M03	140	98	0.082	3.0	29.0	14.5	7.5	5.0	22.0
HTC9026□□201M02	200	154	0.114	2.0	28.5	14.0	7.5	5.0	20.8
HTC9026□□321M05	320	120	0.068	5.0	29.5	17.0	7.5	5.0	29.6
HTC9026□□451M02	450	280	0.174	2.0	29.0	14.0	12.0	5.5	23.0
HTC9026□□471M01	470	398	0.354	1.0	26.5	13.0	12.0	5.5	19.5
HTC9026□□471M03	470	225	0.150	3.0	29.5	15.5	12.0	5.5	27.0
HTC9026□□182M01	1800	1130	0.680	1.0	27.5	14.0	7.5	5.0	22.4
HTC9426□□820M05	82	52	0.033	5.0	31.0	15.5	10.0	6.0	22.4
HTC9426□□101M04	100	69	0.042	4.0	29.5	13.5	12.0	5.5	21.9
HTC9426□□131M03	130	96	0.061	3.0	29.0	13.0	12.0	5.5	21.6
HTC9426□□221M02	220	170	0.121	2.0	28.5	12.0	10.0	6.0	20.6
HTC9426□□301M05	300	120	0.064	5.0	30.0	15.5	10.0	6.0	28.8
HTC9426□□391M04	390	165	0.088	4.0	29.5	15.0	10.0	6.0	27.2
HTC9426□□471M01	470	400	0.342	1.0	27.5	11.5	10.0	6.0	19.0
HTC9426□□501M03	500	242	0.124	3.0	31.0	14.5	10.0	6.0	26.0
HTC9426□□781M02	780	428	0.220	2.0	30.0	13.5	10.0	6.0	24.1
HTC9426□□132M01	1300	933	0.585	1.0	28.5	12.5	12.0	5.5	21.2

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* Inductance drops 20% typical at Rated Current.
* Operating temperature range －25℃ to +100℃

RoHS COMPLIANT

Part Number	Inductance (μH)		DCR (Ohm) Max	I_{DC} (Amp) Ref.	Dimension (mm)				Weight (Grams) Ref.
	@ 0A	@ I_{DC} (Max)			A (Max)	D (Max)	V (Ref)	H (Ref)	
HTC10626□□300M10	30	21	0.009	10.0	36.0	19.5	14.0	7.5	42.0
HTC10626□□350M10	35	25	0.010	10.0	36.0	19.5	14.0	7.5	43.0
HTC10626□□560M07	56	41.5	0.020	7.0	34.0	18.0	14.0	7.5	40.0
HTC10626□□680M07	68	46	0.021	7.0	34.0	18.0	14.0	7.5	40.0
HTC10626□□820M07	82	53	0.023	7.0	34.0	18.0	14.0	7.5	41.0
HTC10626□□101M05	100	75	0.036	5.0	33.5	17.0	10.0	6.0	39.0
HTC10626□□151M04	150	110	0.053	4.0	32.5	16.5	10.0	6.0	38.4
HTC10626□□201M03	200	157	0.078	3.0	34.0	15.0	10.0	6.0	37.8
HTC10626□□301M02	300	250	0.150	2.0	34.0	15.0	14.0	7.5	37.8
HTC10626□□851M02	850	567	0.300	2.0	35.0	16.5	14.0	7.5	41.8
HTC13026□□750M10	75	43	0.014	10.0	42.0	19.5	15.0	8.0	64.0
HTC13026□□131M07	130	79	0.031	7.0	41.0	18.0	14.0	7.5	58.0
HTC13026□□201M05	200	134	0.056	5.0	39.0	17.0	14.0	7.5	55.6
HTC13026□□251M10	250	105	0.027	10.0	42.5	21.5	14.0	7.5	82.0
HTC13026□□471M07	470	190	0.064	7.0	40.5	19.5	15.0	8.0	72.0
HTC13026□□681M05	680	295	0.105	5.0	39.0	18.5	15.0	8.0	65.2

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