

HDC140 Series

Low Profile SMD Drum Core Inductors



Product Features:

- Low cost series of miniature power inductors
- Ideal for portable equipment such as hand-held PDA's, palmtop computers as well as test equipment
- Available in tape and reel packaging.
- Please contact your representative for custom designs.

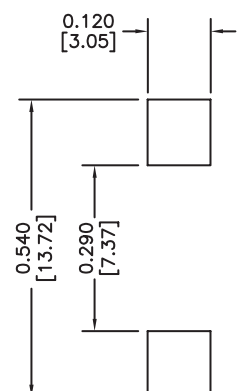
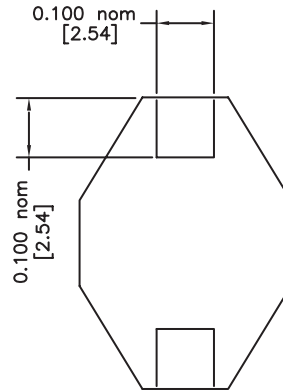
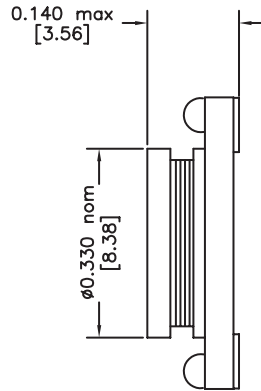
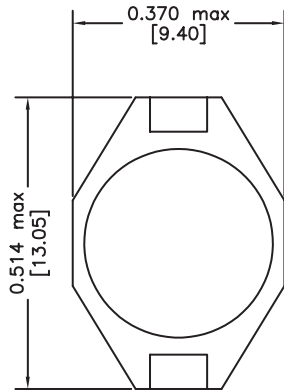
Part Number	IND $\pm 20\%$ (μ H)	DCR (max) (ohm)	SRF (typ) (MHz)	IDC (max) ¹ (A)
HDC140-100MTR	10	0.11	35	2.4
HDC140-150MTR	15	0.15	33	2.0
HDC140-220MTR	22	0.23	25	1.6
HDC140-330MTR	33	0.30	19	1.4
HDC140-470MTR	47	0.39	14	1.0
HDC140-680MTR	68	0.66	12	0.9
HDC140-101MTR	100	0.84	10	0.7
HDC140-151MTR	150	1.20	8.0	0.6
HDC140-221MTR	220	1.9	6.0	0.5
HDC140-331MTR	330	2.7	5.0	0.4
HDC140-471MTR	470	4.0	4.0	0.3
HDC140-681MTR	680	5.3	3.0	0.2
HDC140-102MTR	1000	8.4	2.5	0.1

Notes:

1. DC current that will cause inductance (L) drop by 10% from nominal value
2. Operating temperature range of -40C to +85C

HDC140 Series

Package Dimensions (mm)

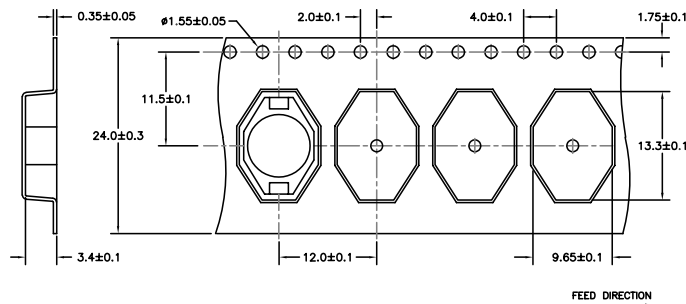


Tape & Reel Specifications

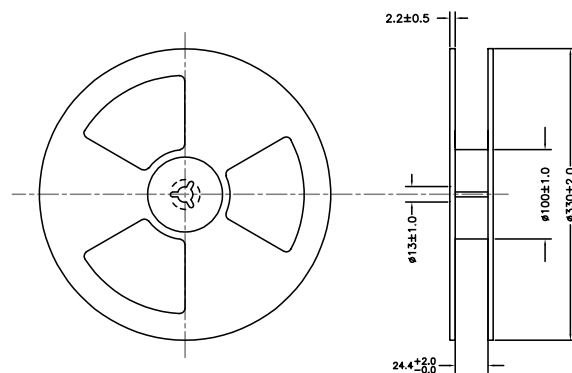
HDC140-

1500 PARTS PER REEL

CARRIER TAPE DIMENSIONS (mm)



REEL DIMENSIONS (mm)



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Santa Clara, CA 95054
(650) 903-3800
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HDC205 Series

SMD Drum Core Inductors

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Product Features:

- Low cost series of SMD miniature power inductors
- The high energy storage capability makes the HDC205 series ideal for DC-DC conversion in handheld PDA's and notebook computers
- Available in tape and reel packaging.
- Please contact your representative for custom designs.

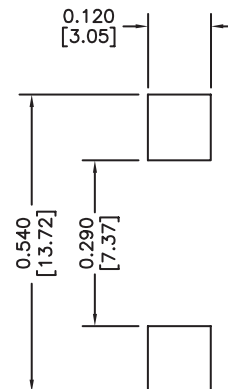
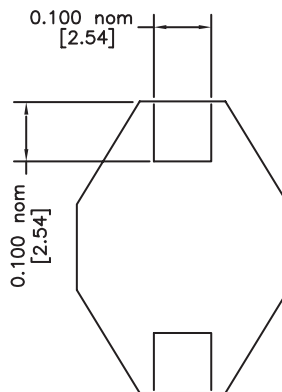
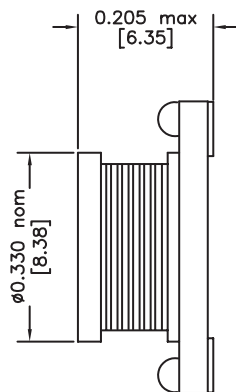
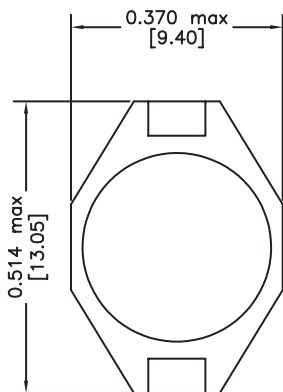
Part Number	IND $\pm 20\%$ (μ H)	DCR (max) (ohm)	SRF (typ) (MHz)	IDC (max) ¹ (A)
HDC205-1R0MTR	1.0	.009	100	9.0
HDC205-1R5MTR	1.5	.010	90	8.0
HDC205-2R2MTR	2.2	.012	80	7.0
HDC205-3R3MTR	3.3	.015	65	6.4
HDC205-4R7MTR	4.7	.018	45	5.4
HDC205-6R8MTR	6.8	.027	38	4.6
HDC205-100MTR	10	.038	30	3.8
HDC205-150MTR	15	.046	27	3.0
HDC205-220MTR	22	.085	19	2.6
HDC205-330MTR	33	0.10	15	2.0
HDC205-470MTR	47	0.14	12	1.6
HDC205-680MTR	68	0.20	10	1.4
HDC205-101MTR	100	0.28	9.0	1.2
HDC205-151MTR	150	0.40	6.0	1.0
HDC205-221MTR	220	0.61	5.0	0.8
HDC205-331MTR	330	1.02	4.5	0.6
HDC205-471MTR	470	1.27	3.5	0.5
HDC205-681MTR	680	2.02	2.5	0.4
HDC205-102MTR	1000	3.00	2.0	0.3

Notes:

1. DC current that will cause inductance (L) drop by 10% from nominal value
2. Operating temperature range of -40C to +85C

HDC205 Series

Package Dimensions (mm)

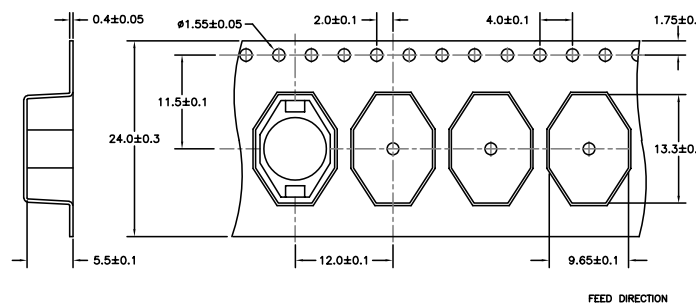


Tape & Reel Specifications

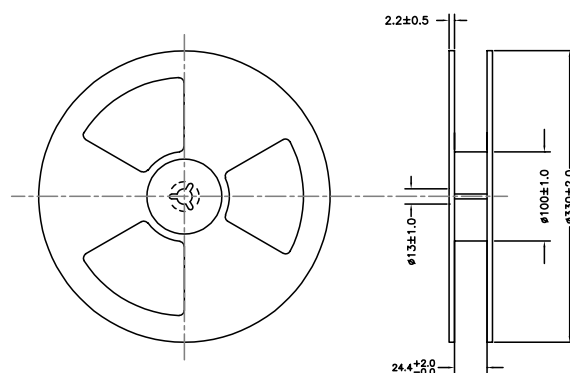
HDC205-

1000 PARTS PER REEL

CARRIER TAPE DIMENSIONS (mm)



REEL DIMENSIONS (mm)



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HDC450 Series

High Profile SMD Drum Core Inductors



Product Features:

- High current, low cost series of power inductors provides excellent current handling capabilities
- Available in tape and reel packaging.
- Please contact your representative for custom designs.

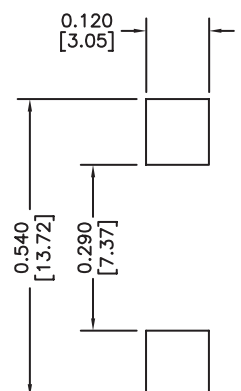
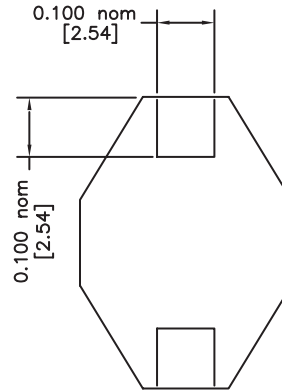
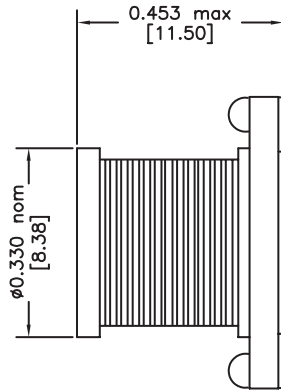
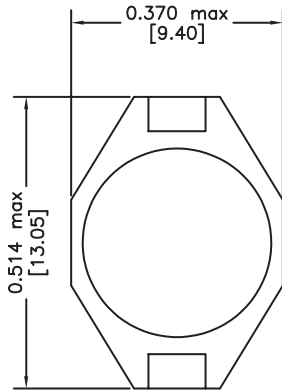
Part Number	IND $\pm 20\%$ (μ H)	DCR (max) (ohm)	SRF (typ) (MHz)	IDC (max) ¹ (A)
HDC450-100MTR	10	0.04	22	8.0
HDC450-150MTR	15	0.05	18	7.0
HDC450-220MTR	22	0.066	11	5.5
HDC450-330MTR	33	0.08	9.0	4.0
HDC450-470MTR	47	0.11	8.0	3.8
HDC450-680MTR	68	0.17	7.0	3.0
HDC450-101MTR	100	0.22	5.0	2.5
HDC450-151MTR	150	0.34	4.0	2.0
HDC450-221MTR	220	0.44	3.5	1.6
HDC450-331MTR	330	0.70	2.5	1.2
HDC450-471MTR	470	0.95	2.0	1.0
HDC450-681MTR	680	1.20	2.0	1.0
HDC450-102MTR	1000	2.00	1.5	0.8

Notes:

1. DC current that will cause inductance (L) drop by 10% from nominal value
2. Operating temperature range of -40C to +85C

HDC450 Series

Package Dimensions (mm)

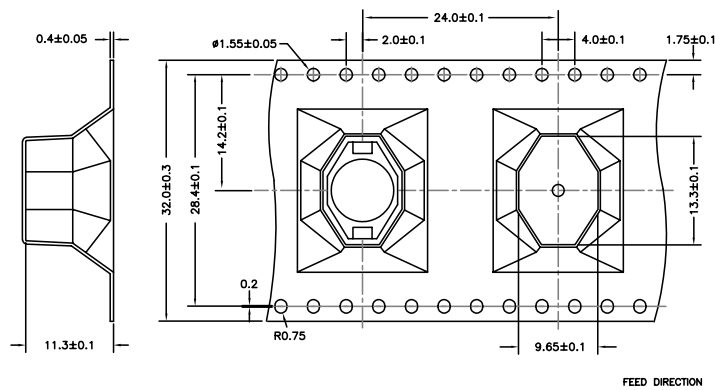


Tape & Reel Specifications

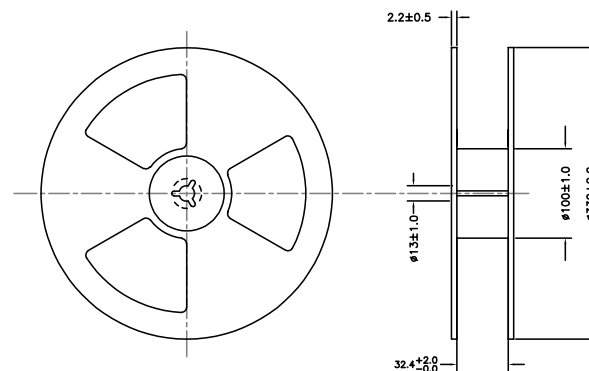
HDC450-

250 PARTS PER REEL

CARRIER TAPE DIMENSIONS (mm)



REEL DIMENSIONS (mm)



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Authorized Distributor

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<u>HDC450-330MTR</u>	<u>HDC450-100MTR</u>	<u>HDC140-330MTR</u>	<u>HDC140-221MTR</u>	<u>HDC450-150MTR</u>	<u>HDC140-681MTR</u>
<u>HDC140-151MTR</u>	<u>HDC205-101MTR</u>	<u>HDC140-680MTR</u>	<u>HDC450-680MTR</u>	<u>HDC205-1R0MTR</u>	<u>HDC205-3R3MTR</u>
<u>HDC205-150MTR</u>	<u>HDC205-681MTR</u>	<u>HDC140-331MTR</u>	<u>HDC205-220MTR</u>	<u>HDC140-100MTR</u>	<u>HDC450-102MTR</u>
<u>HDC205-330MTR</u>	<u>HDC205-100MTR</u>	<u>HDC205-151MTR</u>	<u>HDC450-681MTR</u>	<u>HDC205-680MTR</u>	<u>HDC205-221MTR</u>
<u>HDC140-102MTR</u>	<u>HDC205-470MTR</u>	<u>HDC450-470MTR</u>	<u>HDC450-220MTR</u>	<u>HDC205-331MTR</u>	<u>HDC140-101MTR</u>
<u>HDC140-470MTR</u>	<u>HDC450-221MTR</u>	<u>HDC450-151MTR</u>	<u>HDC205-4R7MTR</u>	<u>HDC450-101MTR</u>	<u>HDC205-471MTR</u>
<u>HDC140-471MTR</u>	<u>HDC140-220MTR</u>	<u>HDC450-331MTR</u>	<u>HDC205-2R2MTR</u>	<u>HDC140-150MTR</u>	<u>HDC205-1R5MTR</u>
<u>HDC450-471MTR</u>	<u>HDC205-102MTR</u>	<u>HDC205-6R8MTR</u>			