



Features

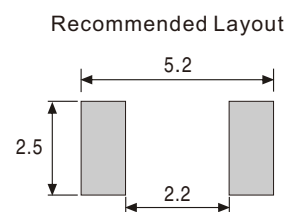
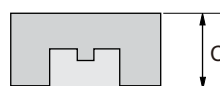
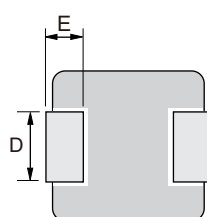
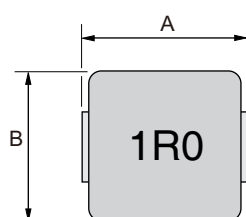
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS Compliant and Halogen Free

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



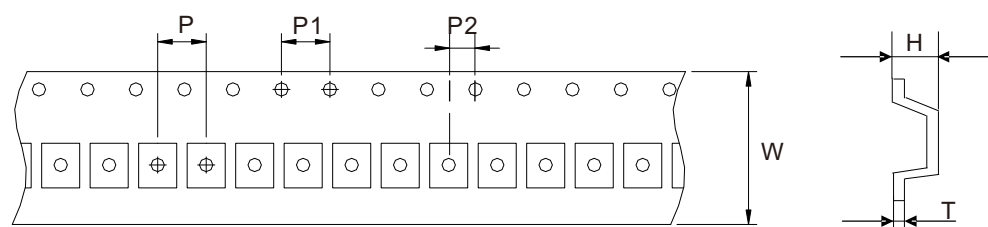
Type	A	B	C	D	E
HI0412	4.4±0.35	4.2±0.25	1.0±0.2	2.0±0.3	0.8±0.3

Electrical Characteristics For HI0412 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0412-R15M	0.15	9	15	7.5
HI0412-R22M	0.22	11	11	7
HI0412-R33M	0.33	19	8.4	6.5
HI0412-R47M	0.47	21	6.8	6
HI0412-R68M	0.68	36	6	4.7
HI0412-1R0M	1.0	47	5.5	4.5
HI0412-1R5M	1.5	75	4	3.25
HI0412-2R2M	2.2	83.5	3	2.75
HI0412-4R7M	4.7	195	2.2	1.8

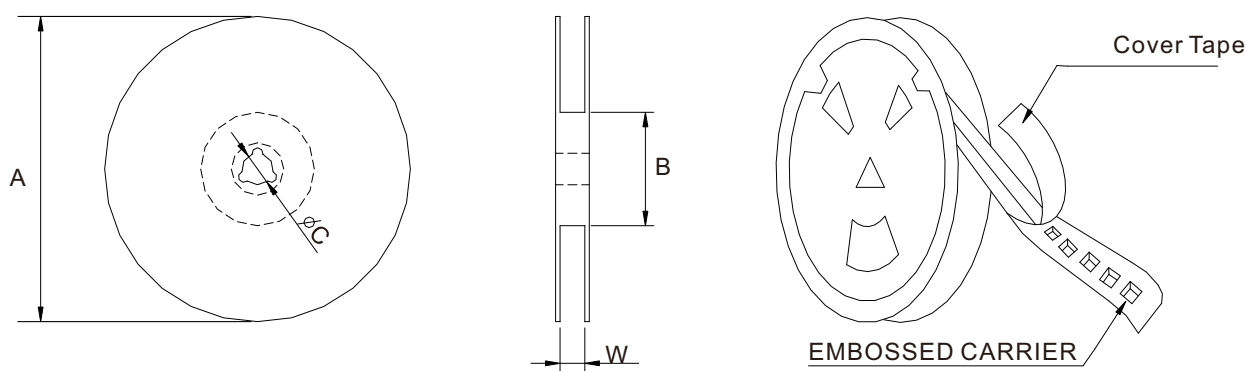
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0412		12.0	8.0	4.0	2.0	1.50	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0412		3000	330	97	13	12.8



Features

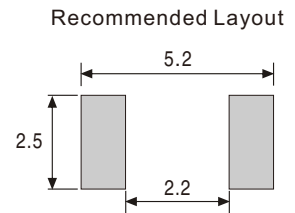
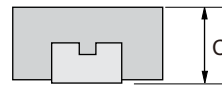
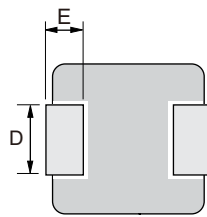
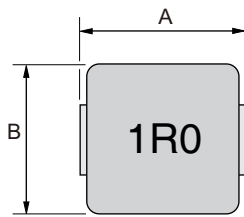
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- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



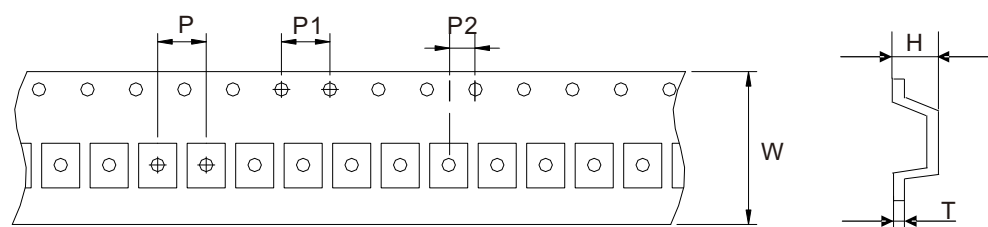
Type	A	B	C	D	E
HI0420	4.4±0.35	4.2±0.25	1.8±0.2	2.0±0.3	0.8±0.3

Electrical Characteristics For HI0420 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0420-R10M	0.10	4	22	13
HI0420-R22M	0.22	6.6	12.5	9.5
HI0420-R33M	0.33	11	12	10
HI0420-R47M	0.47	14	9.5	7.5
HI0420-R56M	0.56	16	9	7
HI0420-R68M	0.68	18	8	7
HI0420-1R0M	1.0	27	7	6
HI0420-1R2M	1.2	27	6.5	6
HI0420-1R5M	1.5	46	5.5	5
HI0420-2R2M	2.2	58	5	4.5
HI0420-3R3M	3.3	87	3.5	3.3
HI0420-4R7M	4.7	105	3	2.8
HI0420-6R8M	6.8	175	2.5	2.4
HI0420-100M	10	282	2	1.6

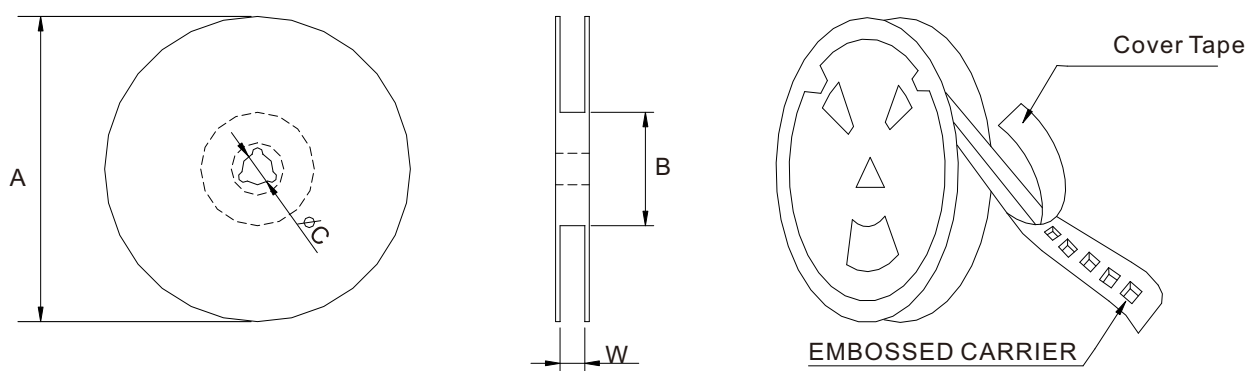
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- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0420		12.0	8.0	4.0	2.0	2.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0420		3000	330	97	13	12.8



Features

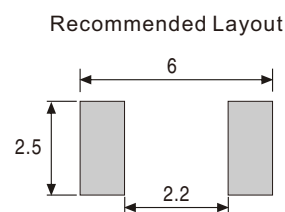
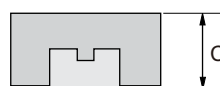
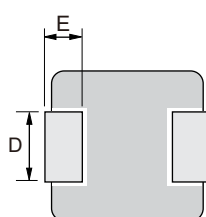
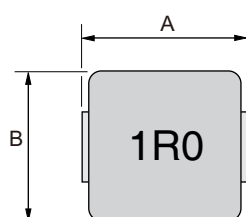
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Shape and Dimensions (Unit:mm)



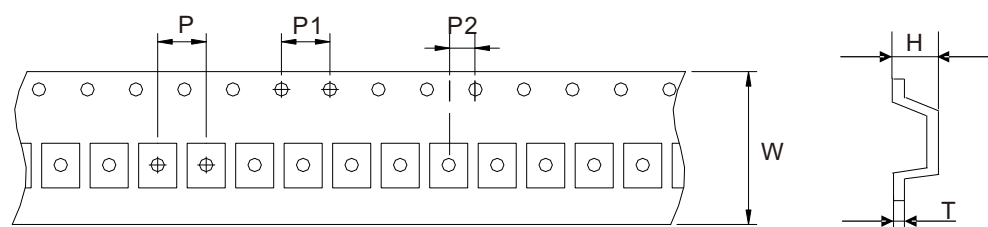
Type	A	B	C	D	E
HI0518	5.4±0.35	5.2±0.2	1.6±0.2	2.2±0.3	1.2±0.2

Electrical Characteristics For HI0518 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0518-R47M	0.47	9	15.5	10.5
HI0518-R56M	0.56	10	15	9.5
HI0518-R68M	0.68	13.8	11.2	8.9
HI0518-1R0M	1.0	17	9	8
HI0518-1R5M	1.5	26	8	7.5
HI0518-2R2M	2.2	35	6.5	5
HI0518-3R3M	3.3	58	5	4.5
HI0518-4R7M	4.7	85	4	3.5
HI0518-6R8M	6.8	120	3.4	2.8
HI0518-100M	10	155	3	2.5

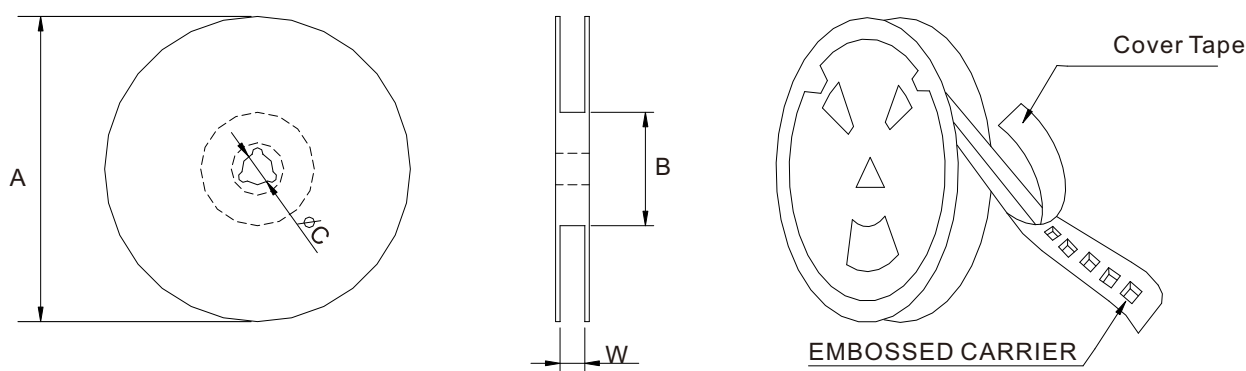
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0518		12.0	8.0	4.0	2.0	2.00	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	Pcs	±2.0	±0.5	±0.5	±0.5
HI0518		2000	330	97	13.2	12.8



Features

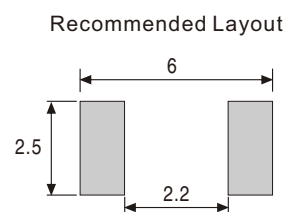
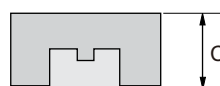
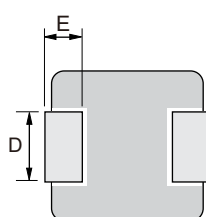
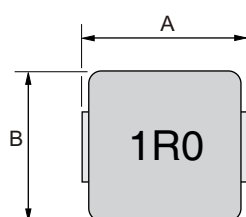
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Shape and Dimensions (Unit:mm)



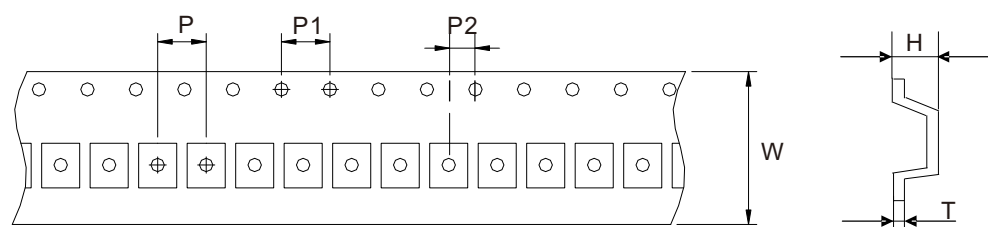
Type	A	B	C	D	E
HI0520	5.4±0.35	5.2±0.2	1.8±0.2	2.2±0.3	1.2±0.2

Electrical Characteristics For HI0520 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0520-R22M	0.22	4.5	19	15
HI0520-R47M	0.47	9	16	10.5
HI0520-R56M	0.56	10	15	9.5
HI0520-1R0M	1.0	17	9.5	8
HI0520-1R5M	1.5	30	8.5	5.5
HI0520-2R2M	2.2	34	7	5
HI0520-3R3M	3.3	58	5.5	4.5
HI0520-4R7M	4.7	78	4.5	3.5
HI0520-6R8M	6.8	120	3.5	2.8
HI0520-8R2M	8.2	150	3.3	2.6
HI0520-100M	10	175	3	2.5

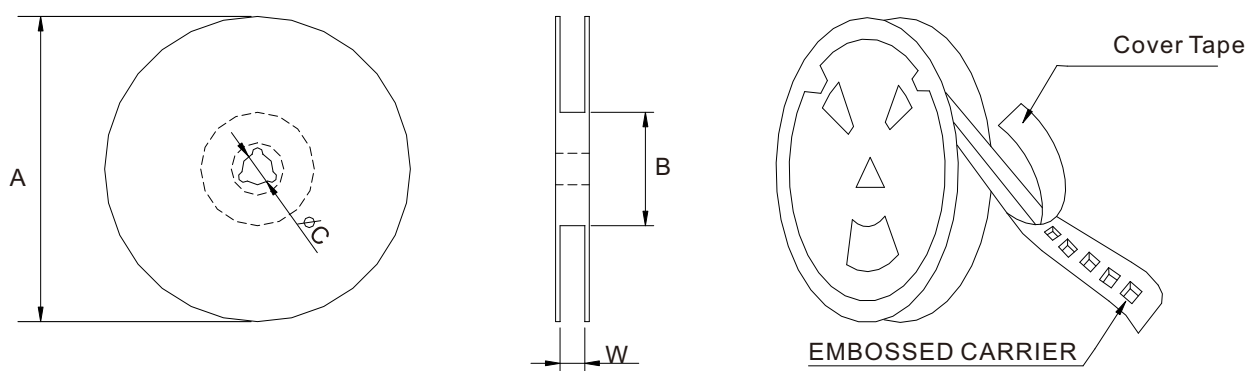
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
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Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0520		12.0	8.0	4.0	2.0	2.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	Pcs	±2.0	±0.5	±0.5	±0.5
HI0520		2000	330	97	13.2	12.8



Features

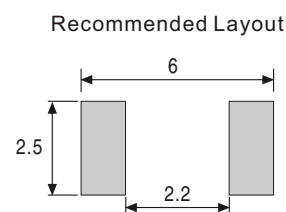
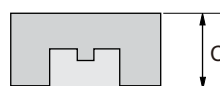
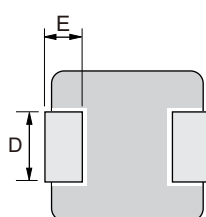
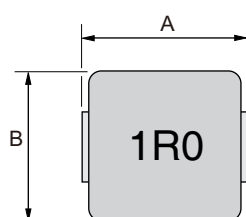
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- Low core loss
- Ultra low buzz noise
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General Specifications

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Shape and Dimensions (Unit:mm)



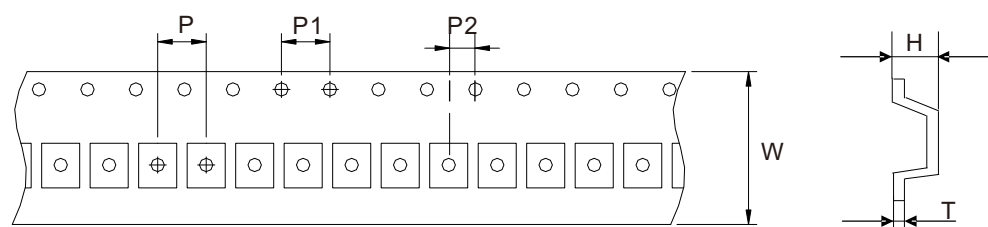
Type	A	B	C	D	E
HI0530	5.4±0.35	5.2±0.2	2.8±0.2	2.2±0.3	1.2±0.2

Electrical Characteristics For HI0530 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0530-R10M	0.10	3	30	25
HI0530-R20M	0.20	3.9	20	14
HI0530-R33M	0.33	5.5	18	14
HI0530-R47M	0.47	8.5	15	11
HI0530-R68M	0.68	12	11.5	9
HI0530-1R0M	1.0	14	10	8.5
HI0530-1R2M	1.2	16	9.5	8.5
HI0530-1R5M	1.5	25	9	8.2
HI0530-2R2M	2.2	29	7	7
HI0530-3R3M	3.3	38	6	5.5
HI0530-4R7M	4.7	60	4.6	4.5
HI0530-6R8M	6.8	90	3.6	3.5
HI0530-100M	10	125	3.5	3.2

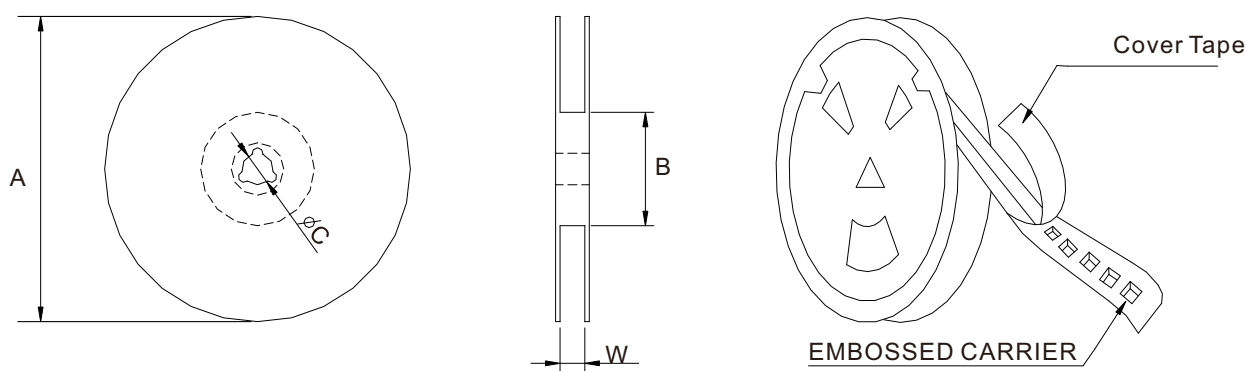
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- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0530		12.0	8.0	4.0	2.0	3.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0530		2000	330	97	13.2	12.8



Features

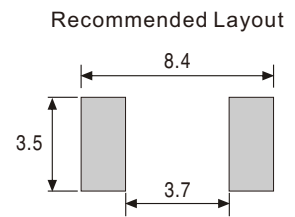
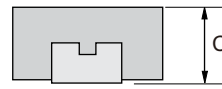
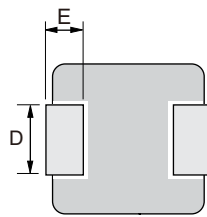
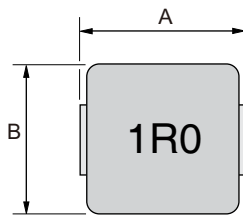
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- Low core loss
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General Specifications

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Shape and Dimensions (Unit:mm)



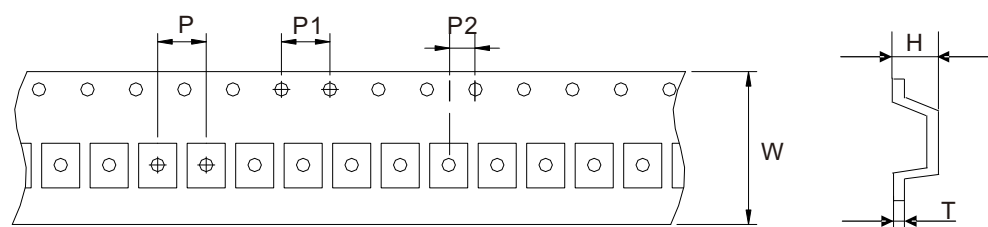
Type	A	B	C	D	E
HI0615	7.0±0.3	6.6±0.2	1.3±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HI0615 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0615-R47M	0.47	8.5	16	10
HI0615-R56M	0.56	11	14	9
HI0615-R68M	0.68	12	12	8.5
HI0615-R82M	0.82	17	10	8
HI0615-1R0M	1.0	21	9	6
HI0615-2R2M	2.2	54	7	3.8
HI0615-3R3M	3.3	63	5.5	3.5
HI0615-4R7M	4.7	85	5	3.2
HI0615-6R8M	6.8	135	4	2.5
HI0615-100M	10	175	3	2

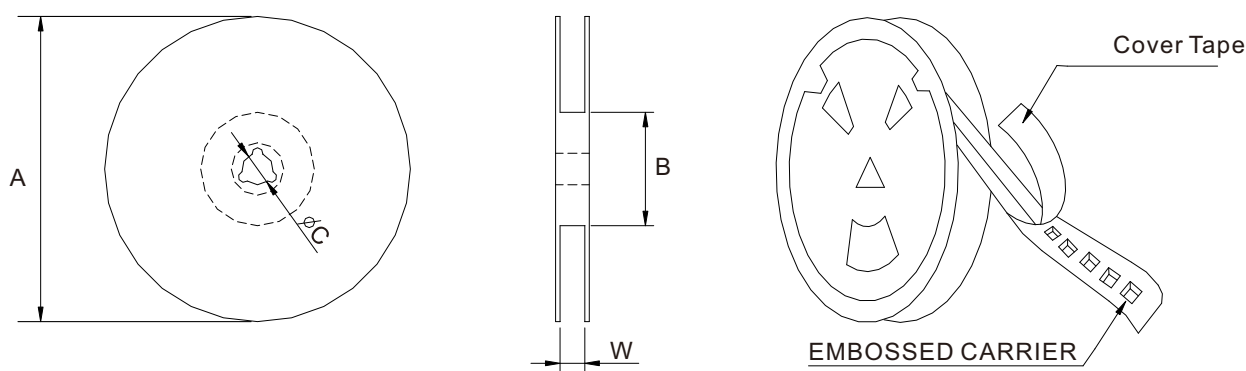
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- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.1	±0.05
HI0615		16.0	12.0	4.0	2.0	1.70	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0615		2000	330	97	13	16.8



Features

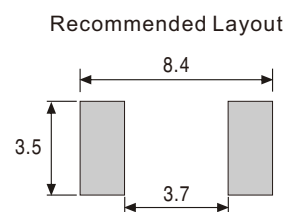
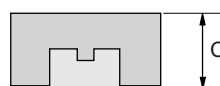
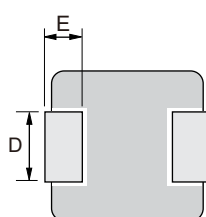
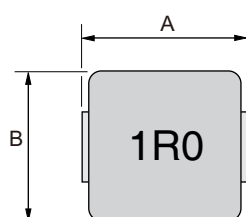
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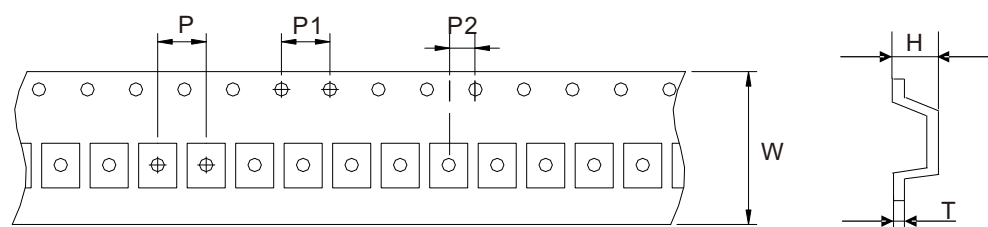
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HI0618	7.0±0.3	6.6±0.2	1.6±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HI0618 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0618-R10M	0.10	2.3	38	25
HI0618-R22M	0.22	3.5	24	22
HI0618-R47M	0.47	8.4	18	11.5
HI0618-R68M	0.68	12	16.5	9.5
HI0618-1R0M	1.0	16	12	8.5
HI0618-1R5M	1.5	26	9.2	8
HI0618-2R2M	2.2	35	8	7
HI0618-3R3M	3.3	50	6	4.5
HI0618-4R7M	4.7	62	5	4
HI0618-6R8M	6.8	110	4.5	3
HI0618-100M	10	155	4	2.3
HI0618-220M	22	350	2.3	1.8

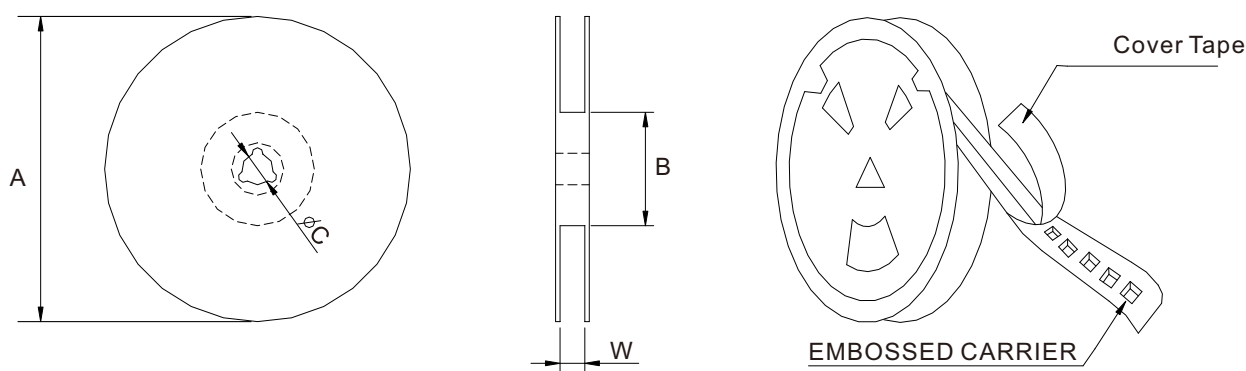
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.1	±0.05
HI0618		16.0	12.0	4.0	2.0	2.10	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0618		2000	330	97	13	16.8



Features

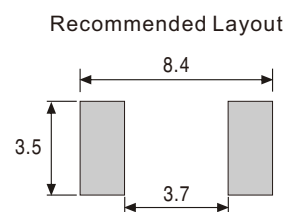
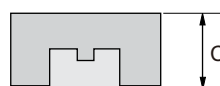
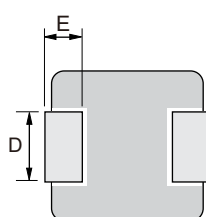
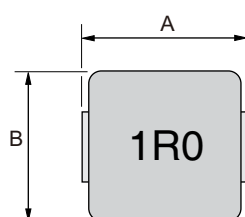
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



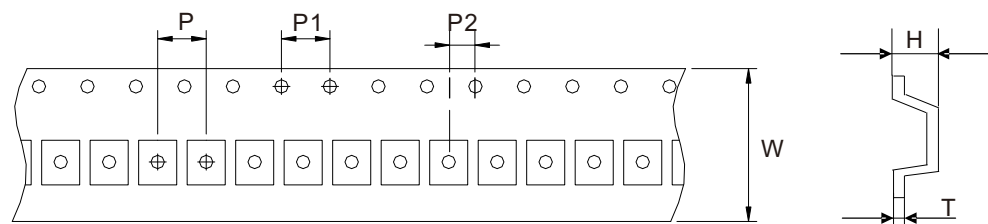
Type	A	B	C	D	E
HI0624	7.0±0.3	6.6±0.2	2.2±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HI0624 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0624-R22M	0.22	3	34	21
HI0624-R33M	0.33	4.1	24.5	18
HI0624-R47M	0.47	5.1	22	15
HI0624-R56M	0.56	6.5	17	13
HI0624-R68M	0.68	7	16	12
HI0624-1R0M	1.0	13.5	15	9
HI0624-1R5M	1.5	20	13.5	8.2
HI0624-2R2M	2.2	28	10	7
HI0624-3R3M	3.3	39	8	5.5
HI0624-4R7M	4.7	50	6.5	5
HI0624-6R8M	6.8	70	6	4
HI0624-100M	10	101	4	3.1
HI0624-150M	15	160	3.3	2.5
HI0624-220M	22	230	2.5	2

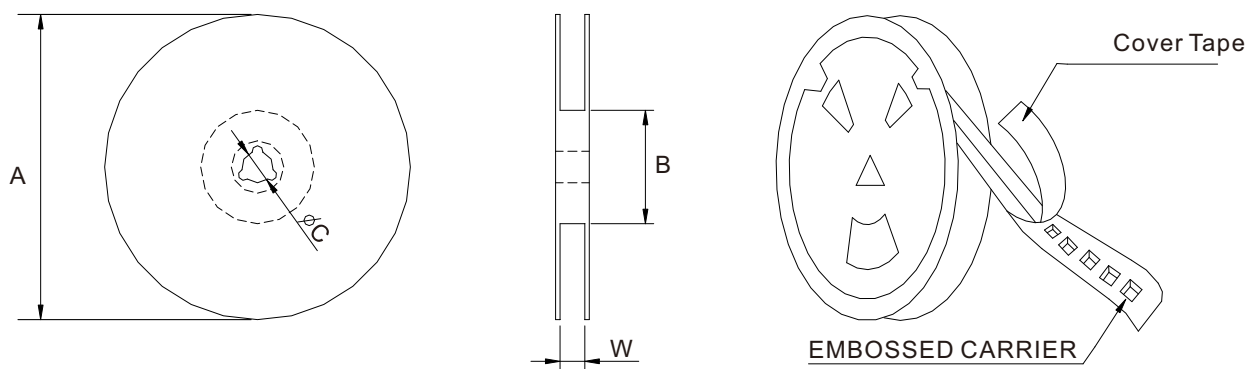
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.1	±0.05
HI0624		16.0	12.0	4.0	2.0	2.70	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0624		1500	330	97	13	16.8



Features

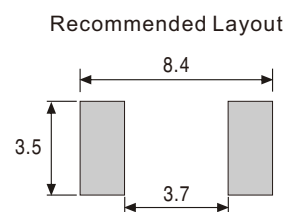
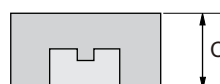
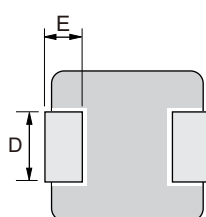
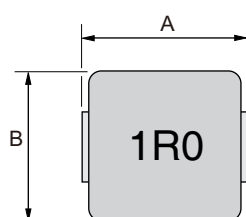
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



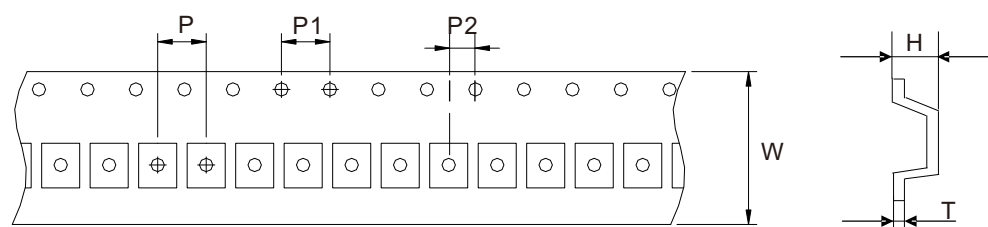
Type	A	B	C	D	E
HI0630	7.0±0.3	6.6±0.2	3.0Max	3.0±0.3	1.6±0.3

Electrical Characteristics For HI0630 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0630-R22M	0.22	3	34	24
HI0630-R33M	0.33	3.5	25	21
HI0630-R47M	0.47	4.1	20	18
HI0630-R56M	0.56	4.5	18	16.5
HI0630-R68M	0.68	5.3	17	16
HI0630-R82M	0.82	6	16	14
HI0630-1R0M	1.0	7.4	15	12
HI0630-1R5M	1.5	12.1	12	12
HI0630-2R2M	2.2	15	10	9.5
HI0630-3R3M	3.3	22	9.5	8.5
HI0630-4R7M	4.7	33	9	6
HI0630-5R6M	5.6	42	6.5	5.5
HI0630-6R8M	6.8	48	6	5
HI0630-8R2M	8.2	60	5.5	5
HI0630-100M	10	68	5.5	4.5
HI0630-150M	15	113	4	3
HI0630-220M	22	170	3	2.5
HI0630-330M	33	270	2.5	2
HI0630-470M	47	385	2	1.5

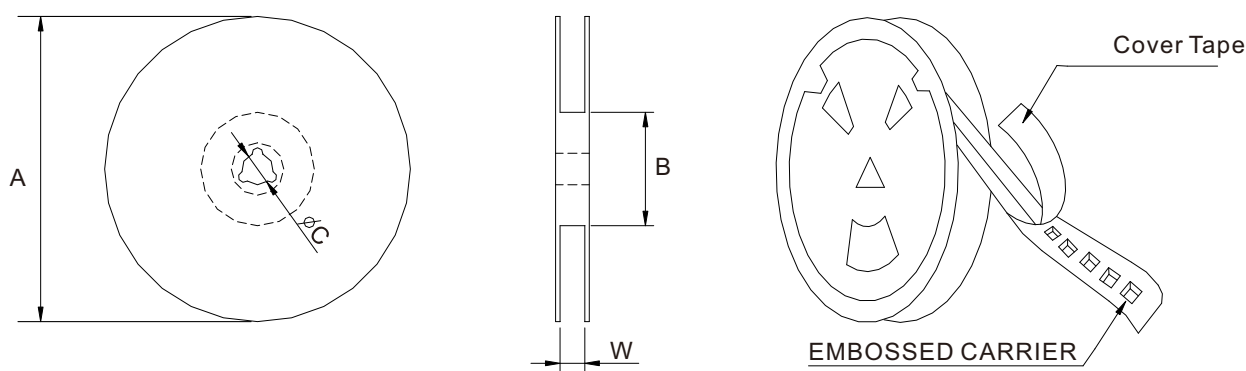
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0630		16.0	12.0	4.0	2.0	3.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0630		1500	330	97	13	16.8



Features

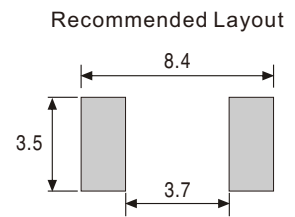
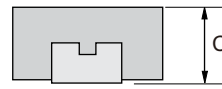
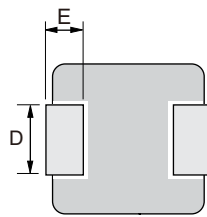
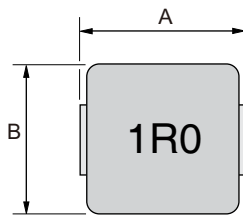
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



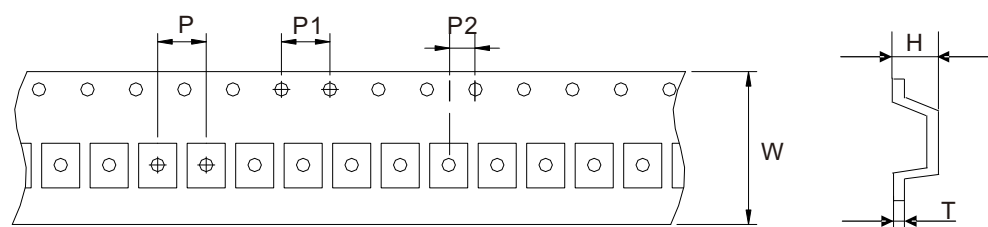
Type	A	B	C	D	E
HI0640	7.0±0.3	6.6±0.2	3.8±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HI0640 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0640-R68M	0.68	4.8	19	17
HI0640-1R0M	1.0	6.6	16	13.5
HI0640-1R5M	1.5	10	12.5	12.4
HI0640-2R2M	2.2	14	11	10
HI0640-3R3M	3.3	20	9.5	8.5
HI0640-4R7M	4.7	30	9	6.5
HI0640-6R8M	6.8	45	6.5	5.5
HI0640-8R2M	8.2	55	6	5.2
HI0640-100M	10	65	6	4.8
HI0640-150M	15	95	4.5	3.7
HI0640-220M	22	125	4	3.3
HI0640-330M	33	240	3	2.2
HI0640-470M	47	320	2.5	1.8

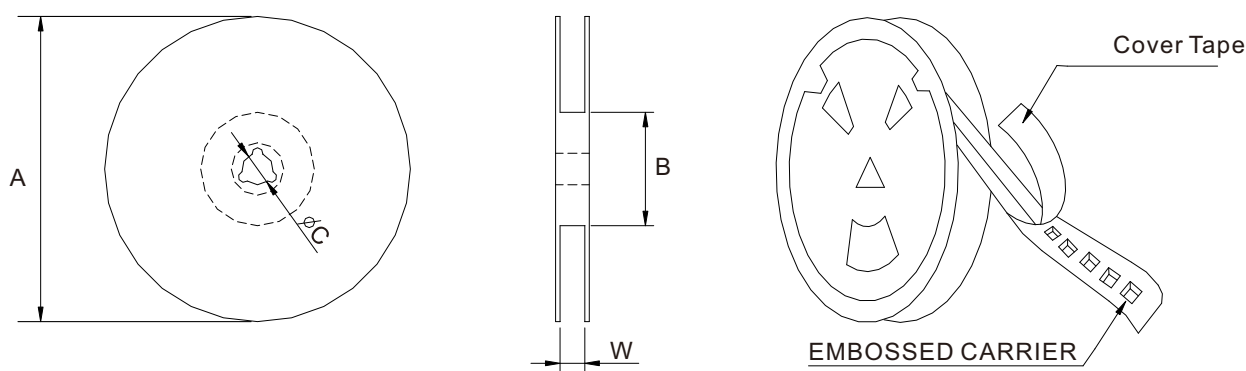
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0640		16.0	12.0	4.0	2.0	4.30	0.35



Unit: mm

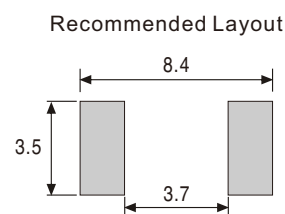
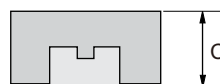
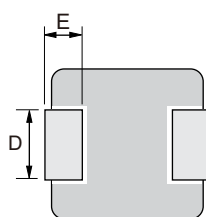
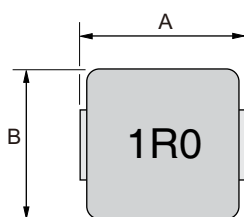
Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0640		1000	330	97	13	16.8

**Features**

- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

▶ **Shape and Dimensions (Unit:mm)**

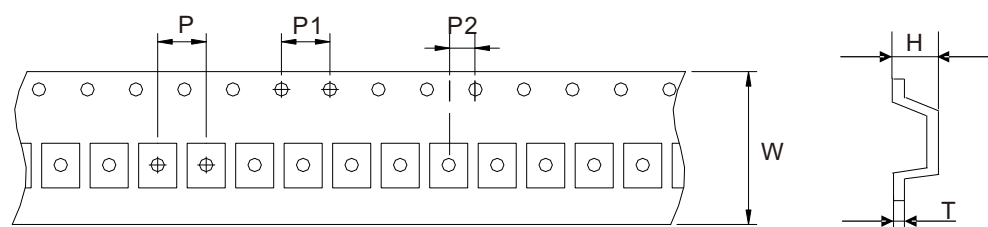
Type	A	B	C	D	E
HI0650	7.0±0.3	6.6±0.2	4.8±0.2	3.0±0.3	1.6±0.3

▶ **Electrical Characteristics For HI0650 Series @ 25°C**

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0650-R47M	0.47	3.9	21	20
HI0650-R68M	0.68	4.5	18	16.5
HI0650-1R0M	1.0	6.6	16	12
HI0650-1R5M	1.5	10	13	9.5
HI0650-2R2M	2.2	12.5	11	9
HI0650-3R3M	3.3	22	10	8.5
HI0650-4R7M	4.7	29	8	6
HI0650-6R8M	6.8	41	6.3	5.8
HI0650-8R2M	8.2	48	5.5	5.5
HI0650-100M	10	60	5.3	4.5
HI0650-150M	15	90	4	3.1
HI0650-220M	22	140	3.5	2.6
HI0650-330M	33	190	3	2.3
HI0650-470M	47	230	2.6	2

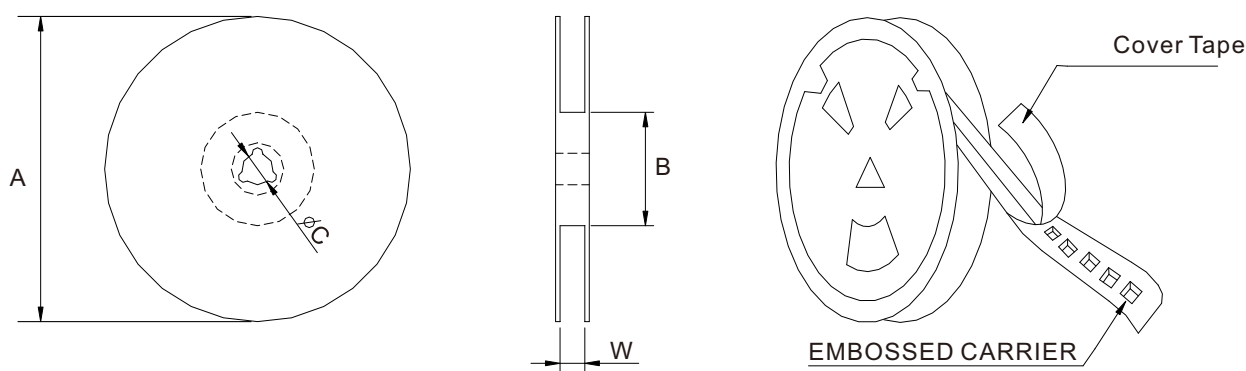
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0650		16.0	12.0	4.0	2.0	5.50	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0650		1000	330	97	13	16.8



Features

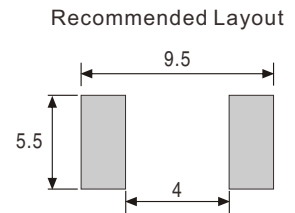
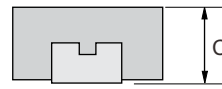
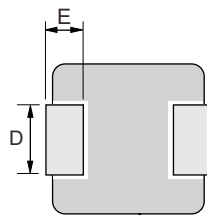
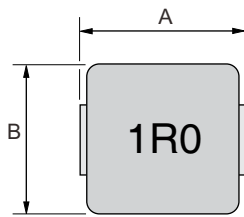
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



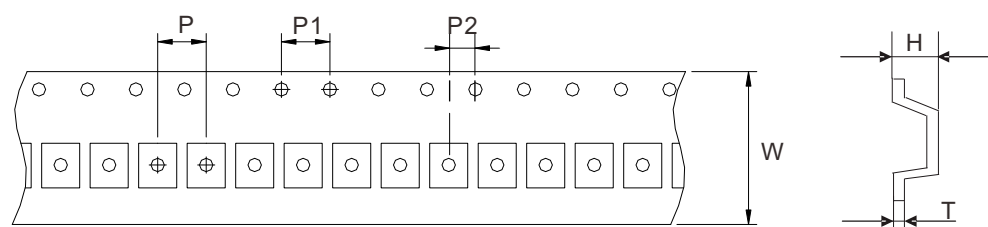
Type	A	B	C	D	E
HI0840	8.8±0.4	8.2±0.3	3.8±0.2	5.0±0.3	1.4±0.3

Electrical Characteristics For HI0840 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI0840-R22M	0.22	1.8	60	36
HI0840-R33M	0.33	2.4	45	30
HI0840-R47M	0.47	2.8	42	28
HI0840-R56M	0.56	3.2	26	24
HI0840-R68M	0.68	3.8	24	23
HI0840-R82M	0.82	4.4	21	21
HI0840-1R0M	1.0	4.62	19	19
HI0840-1R5M	1.5	7.6	17	17
HI0840-1R8M	1.8	11	15	15
HI0840-2R2M	2.2	11.4	14	14
HI0840-3R3M	3.3	15	12.5	12
HI0840-4R7M	4.7	26.5	11.5	9.5
HI0840-5R6M	5.6	30	11	9
HI0840-6R8M	6.8	36.8	9	8
HI0840-8R2M	8.2	46	8.7	7
HI0840-100M	10	59	8	6.5
HI0840-150M	15	71	5.5	5.4
HI0840-220M	22	113	5	4.8
HI0840-330M	33	156	3.5	3.5
HI0840-470M	47	225	3.1	2.9

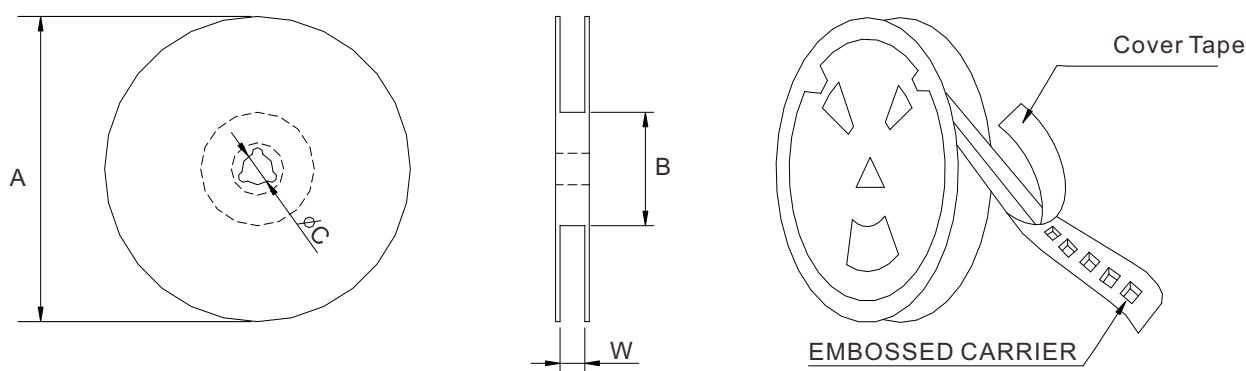
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI0840		24.0	16.0	4.0	2.0	4.40	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI0840		800	330	97	13	24.8



Features

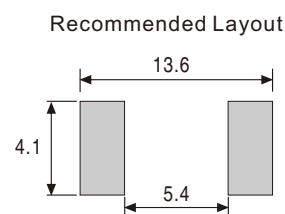
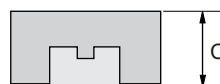
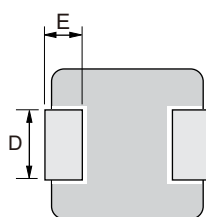
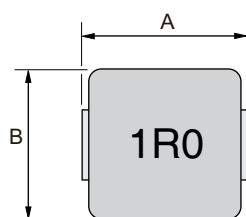
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



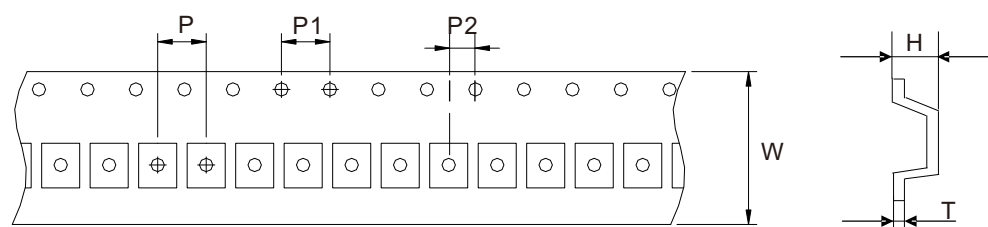
Type	A	B	C	D	E
HI1030	11.5 Max.	10.0±0.3	2.8±0.2	3.0±0.5	2.0±0.5

Electrical Characteristics For HI1030 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1030-R22M	0.22	1.2	50	33
HI1030-R33M	0.33	1.6	32	23
HI1030-R36M	0.36	1.6	28	23
HI1030-R47M	0.47	2.5	26	22
HI1030-1R0M	1.0	6	21	15
HI1030-2R2M	2.2	9	14	11
HI1030-3R3M	3.3	16	12	9
HI1030-4R7M	4.7	24	10	7
HI1030-8R2M	8.2	45	7	5
HI1030-330M	33	160	4	2.6

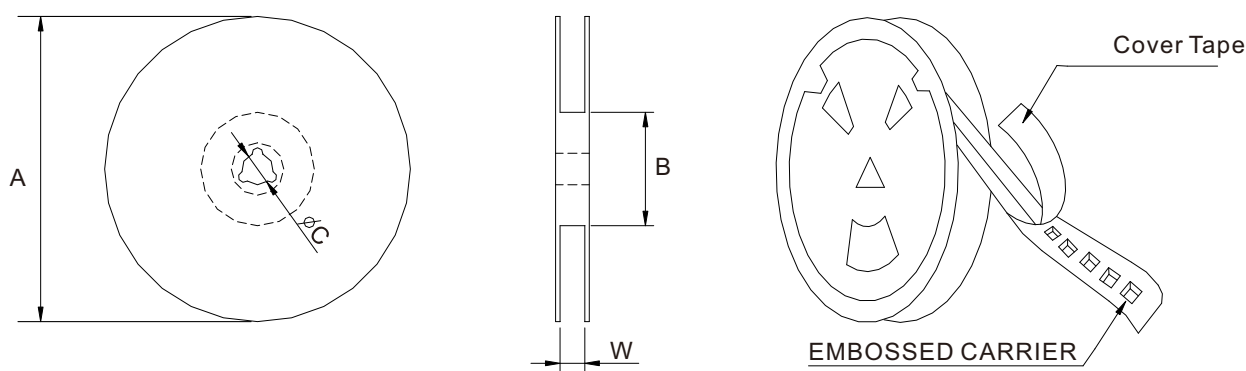
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1030		24.0	16.0	4.0	2.0	3.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1030		800	330	97	13	24.8



Features

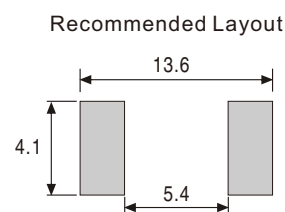
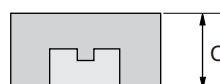
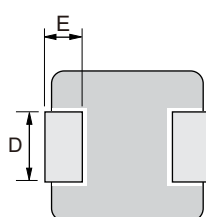
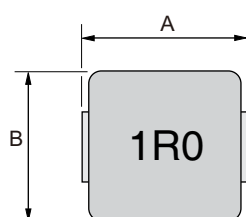
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)

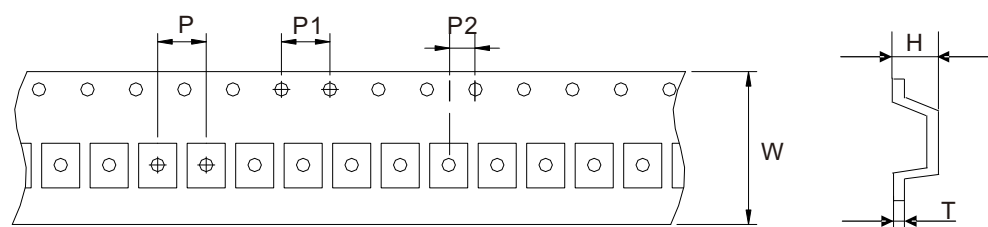


Type	A	B	C	D	E
HI1040	11.5 Max.	10.0±0.3	3.8±0.2	3.0±0.5	2.0±0.5

Electrical Characteristics For HI1040 Series @ 25°C

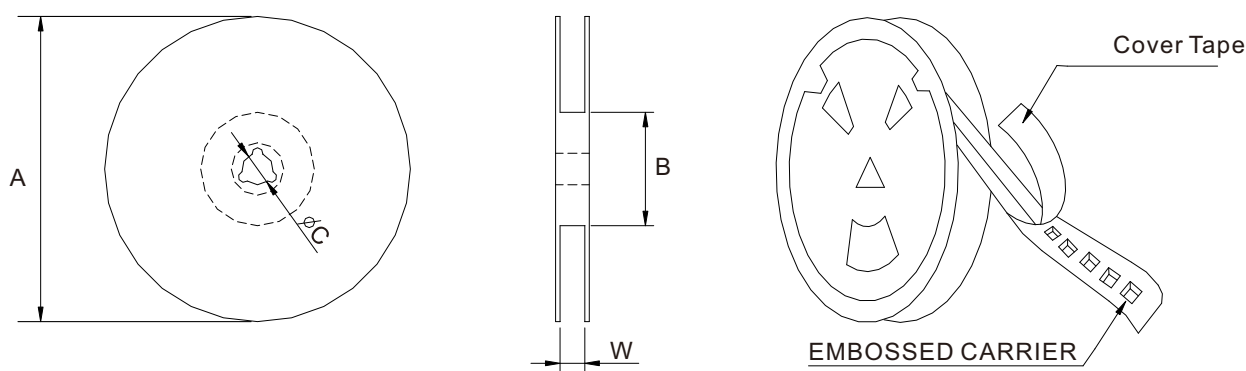
Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1040-R15M	0.15	0.65	75	45
HI1040-R22M	0.22	1	60	35
HI1040-R30M	0.30	1.1	45	35
HI1040-R36M	0.36	1.2	45	30
HI1040-R47M	0.47	1.7	40	30
HI1040-R56M	0.56	1.8	33	25
HI1040-R68M	0.68	2.4	30	23
HI1040-R80M	0.80	2.7	29	23
HI1040-1R0M	1.0	3.3	28	19
HI1040-1R5M	1.5	4.2	24	16
HI1040-2R2M	2.2	7	16.5	12
HI1040-3R3M	3.3	11.8	16	11
HI1040-4R7M	4.7	20	13	9
HI1040-6R8M	6.8	25	12	8.5
HI1040-8R2M	8.2	27	9	8
HI1040-100M	10	30	8.5	7.8
HI1040-150M	15	45	7	6.5
HI1040-220M	22	66	5.5	5
HI1040-330M	33	92	4.8	4.4
HI1040-470M	47	145	3.5	3.3
HI1040-680M	68	195	3	2.5
HI1040-820M	82	285	2.8	2.3
HI1040-101M	100	340	2.3	2

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1040		24.0	16.0	4.0	2.0	4.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1040		500	330	97	13	24.8



Features

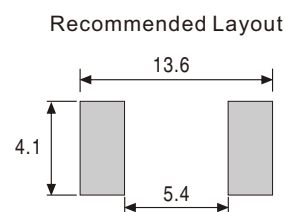
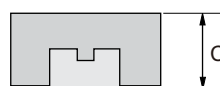
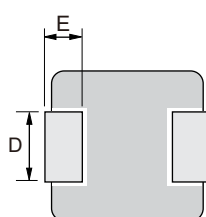
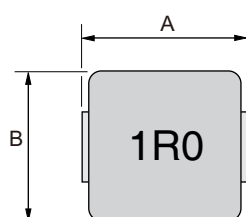
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



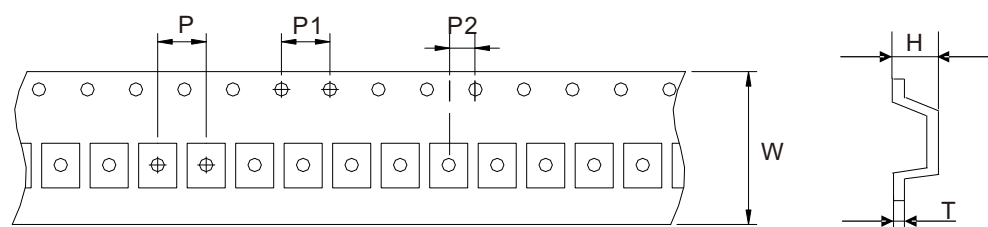
Type	A	B	C	D	E
HI1050	11.5 Max.	10.0±0.3	4.8±0.2	3.0±0.5	2.0±0.5

Electrical Characteristics For HI1050 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1050-R22M	0.22	0.8	65	37
HI1050-1R0M	1.0	3	30	23
HI1050-1R5M	1.5	3.8	25	21
HI1050-2R2M	2.2	6	19	15
HI1050-3R3M	3.3	10	16	13
HI1050-4R7M	4.7	14	15	11
HI1050-5R6M	5.6	17	14	9.5
HI1050-6R8M	6.8	18.5	14	9
HI1050-100M	10	28	10	8
HI1050-150M	15	42	7.5	6.5
HI1050-220M	22	50	6	5.5
HI1050-330M	33	86	5.2	4.8
HI1050-470M	47	127	4.5	3.7
HI1050-101M	100	290	2.8	2.1

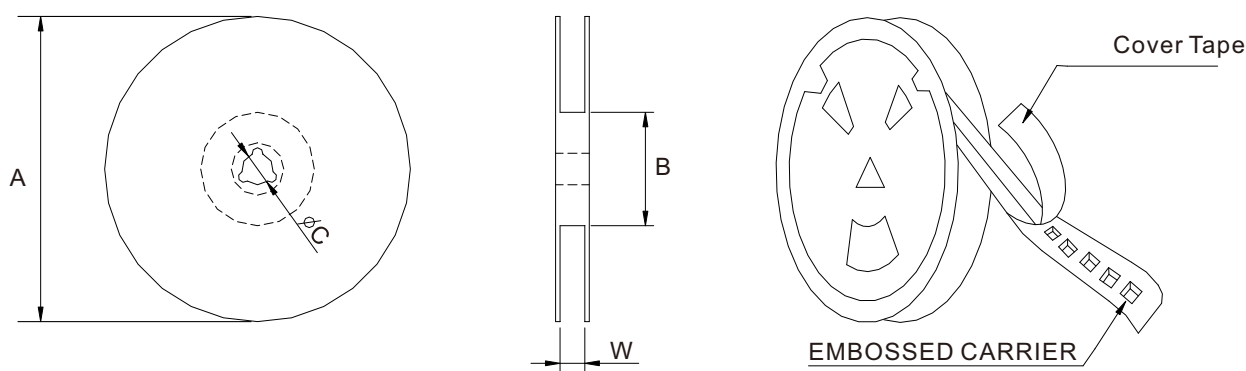
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1050		24.0	16.0	4.0	2.0	5.40	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1050		500	330	97	13	24.8



Features

- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

Note

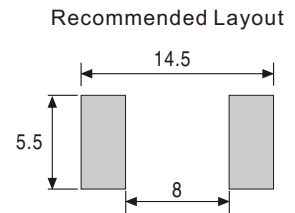
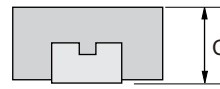
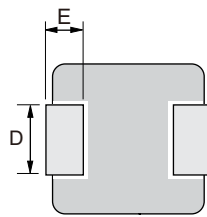
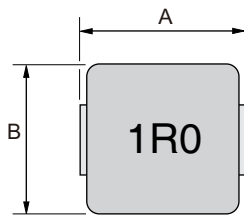
- HI1240-R22M/R47M Dimensions D:3.85±0.5
- HI1240-R68M~220M Dimensions D:5.0±0.3

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



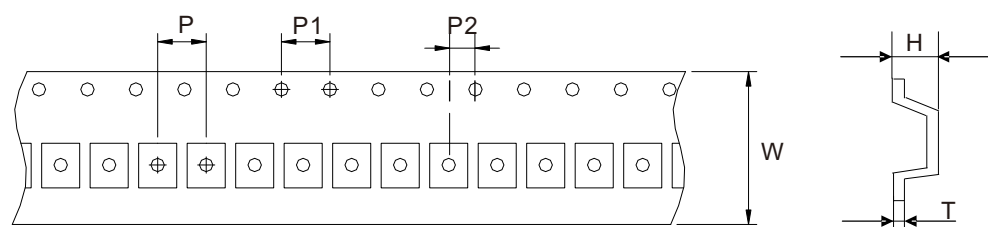
Type	A	B	C	D	E
HI1240	13.45±0.35	12.8±0.5	4.0 Max	3.85±0.5 / 5.0±0.3	2.0±0.5

Electrical Characteristics For HI1240 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1240-R22M	0.22	0.9	50	42
HI1240-R47M	0.47	2	48	33
HI1240-R68M	0.68	3.5	47	28
HI1240-R82M	0.82	4.5	40	28
HI1240-1R0M	1.0	7.5	35	24
HI1240-1R5M	1.5	9.5	30.5	20
HI1240-2R2M	2.2	11.5	26	18
HI1240-3R3M	3.3	13	21	15
HI1240-4R7M	4.7	14.5	18	13
HI1240-6R8M	6.8	20	14	9
HI1240-100M	10	25	10	8
HI1240-150M	15	39	7.5	6.5
HI1240-220M	22	51	6	4.5

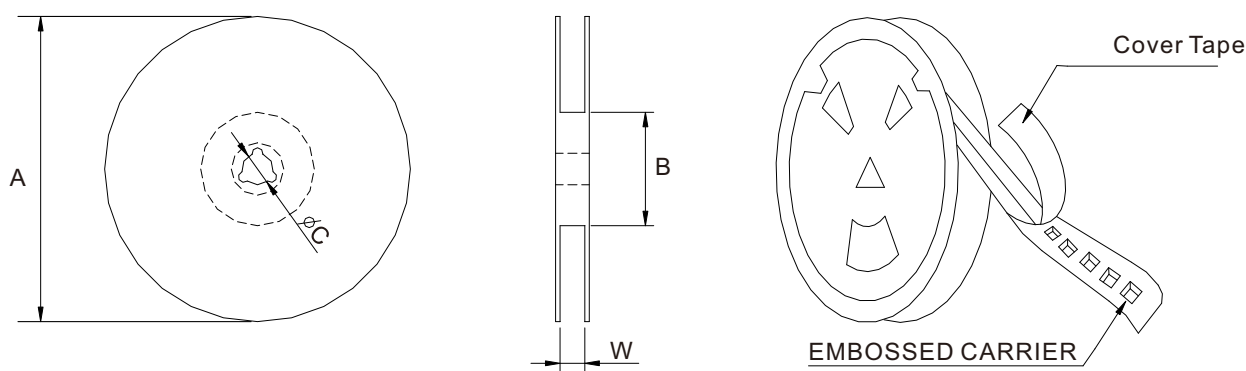
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1240		24.0	16.0	4.0	2.0	4.30	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1240		500	330	97	13	24.8



Features

- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

Note

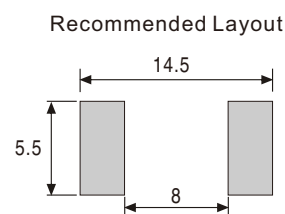
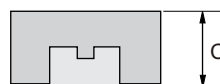
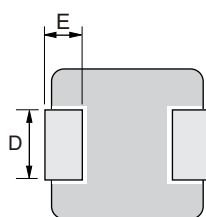
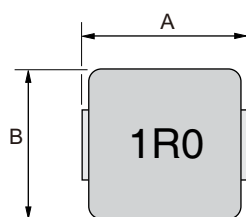
- HI1250-R22M~2R2M Dimensions D:3.85±0.5
- HI1250-3R3M~680M Dimensions D:5.0±0.3

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



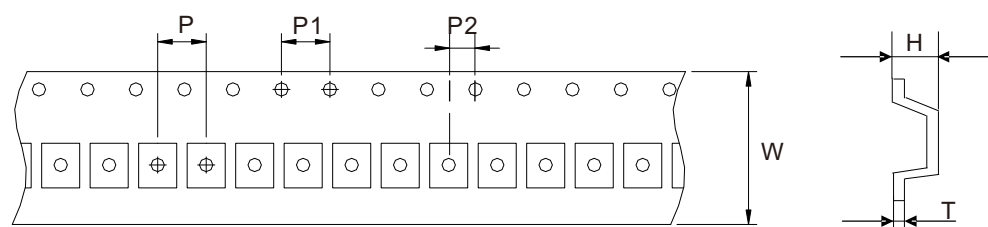
Type	A	B	C	D	E
HI1250	13.45±0.35	12.8±0.5	5.0 Max	3.85±0.5 / 5.0±0.3	2.0±0.5

Electrical Characteristics For HI1250 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1250-R22M	0.22	0.7	75	50
HI1250-R36M	0.36	0.85	50	42
HI1250-R50M	0.50	1.15	48	38
HI1250-R68M	0.68	1.55	46	33
HI1250-R82M	0.82	1.67	39	30
HI1250-1R0M	1.0	2.2	35	26
HI1250-1R5M	1.5	3.2	33	23
HI1250-2R2M	2.2	5	24	15
HI1250-3R3M	3.3	7	22	14
HI1250-4R7M	4.7	9	20	13
HI1250-6R8M	6.8	18	16	12
HI1250-8R2M	8.2	20	13	9.5
HI1250-100M	10	22	12	9
HI1250-150M	15	30	10	8
HI1250-220M	22	58	6.5	4.5
HI1250-330M	33	84	6	3.5
HI1250-470M	47	130	5	3

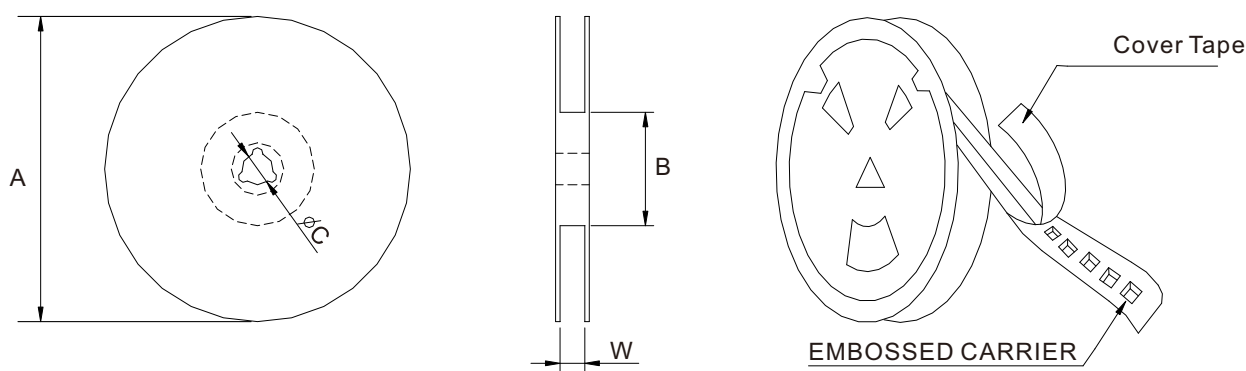
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1250		24.0	16.0	4.0	2.0	5.40	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1250		500	330	97	13	24.8



Features

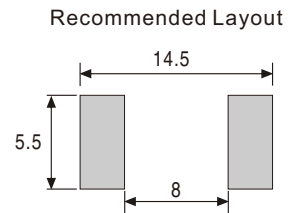
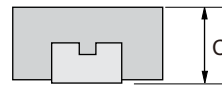
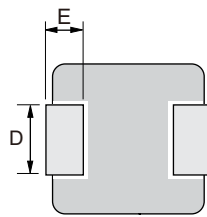
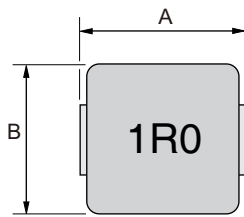
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



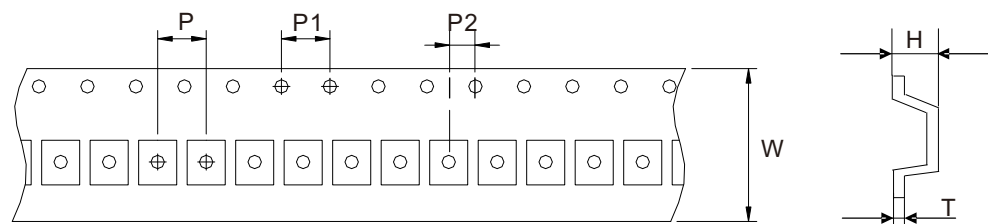
Type	A	B	C	D	E
HI1260	13.45±0.35	12.8±0.5	6.0 Max	5.0±0.3	2.0±0.5

Electrical Characteristics For HI1260 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1260-4R7M	4.7	9	24	15
HI1260-5R6M	5.6	11	22.5	13
HI1260-6R8M	6.8	13.5	19	12
HI1260-8R2M	8.2	16	13.5	11
HI1260-100M	10	20.7	12.5	10
HI1260-120M	12	23	10	9
HI1260-150M	15	29	9	8.5
HI1260-180M	18	35	8	7.5
HI1260-220M	22	39.5	7.5	7
HI1260-270M	27	56	6.5	6
HI1260-330M	33	75	6	5.5
HI1260-470M	47	90	5.5	5
HI1260-680M	68	140	4.5	4
HI1260-101M	100	200	3.5	3
HI1260-121M	120	235	3.2	2
HI1260-151M	150	350	2.7	1.5

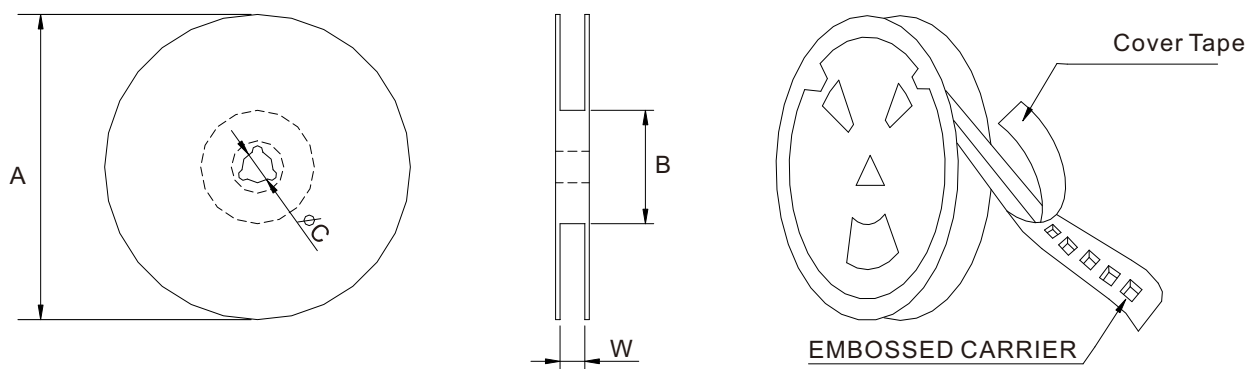
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1260		24.0	16.0	4.0	2.0	6.30	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1260		500	330	97	13	24.8



Features

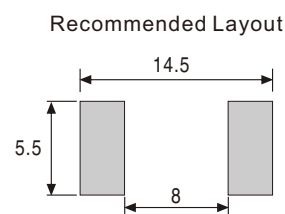
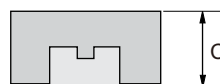
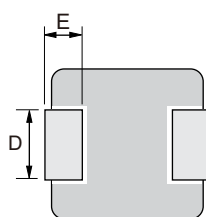
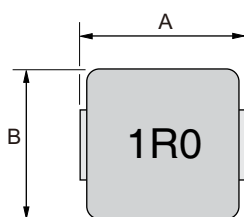
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



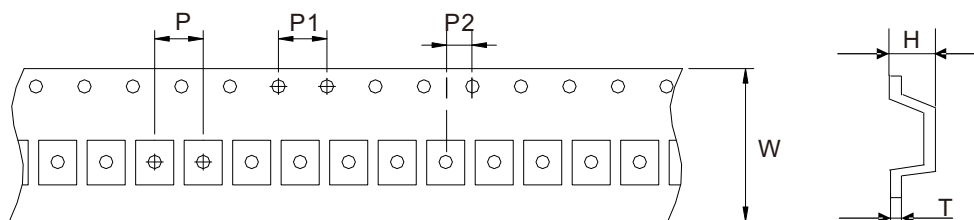
Type	A	B	C	D	E
HI1265	13.45±0.35	12.6±0.4	6.5 Max	5.0±0.3	2.0±0.5

Electrical Characteristics For HI1265 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1265-4R7M	4.7	8.5	24	16
HI1265-5R6M	5.6	10.5	22.5	14
HI1265-6R8M	6.8	12	19	13
HI1265-8R2M	8.2	14	16	12
HI1265-100M	10	16.5	15	11
HI1265-150M	15	26	11	9.5
HI1265-220M	22	36	9	8
HI1265-330M	33	65	8	6.5
HI1265-470M	47	70	6.8	5.5
HI1265-680M	68	120	5.2	4.8
HI1265-820M	82	135	4.5	4
HI1265-101M	100	170	4	3.5

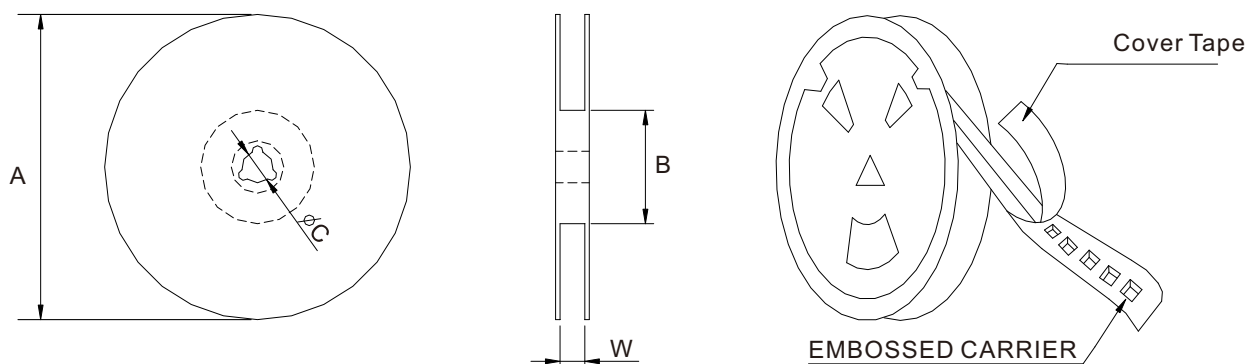
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

▶ **Tape & Reel Specifications:**



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1265		24.0	16.0	4.0	2.0	6.80	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1265		500	330	97	13	24.8



Features

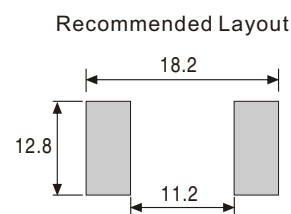
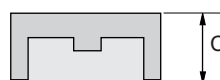
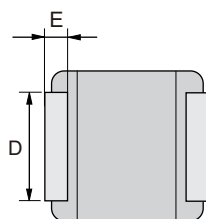
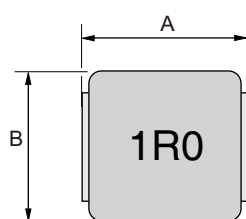
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



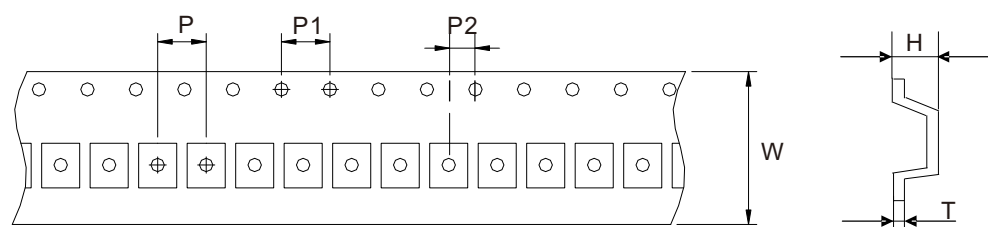
Type	A	B	C	D	E
HI1770	17.15±0.35	17.15Max	7.0Max	12.0±0.3	2.5±0.5

Electrical Characteristics For HI1770 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HI1770-2R2M	2.2	2.5	34	29
HI1770-3R3M	3.3	3.95	30	24
HI1770-4R7M	4.7	4.75	24	21
HI1770-6R8M	6.8	7.5	22	17
HI1770-8R2M	8.2	8.7	20	13
HI1770-100M	10	9.9	19	12
HI1770-150M	15	17	14.5	11
HI1770-220M	22	23	11.5	8.5
HI1770-330M	33	37	10	8
HI1770-470M	47	47	7.5	6
HI1770-680M	68	85	6.5	5.2
HI1770-101M	100	130	5	3.7

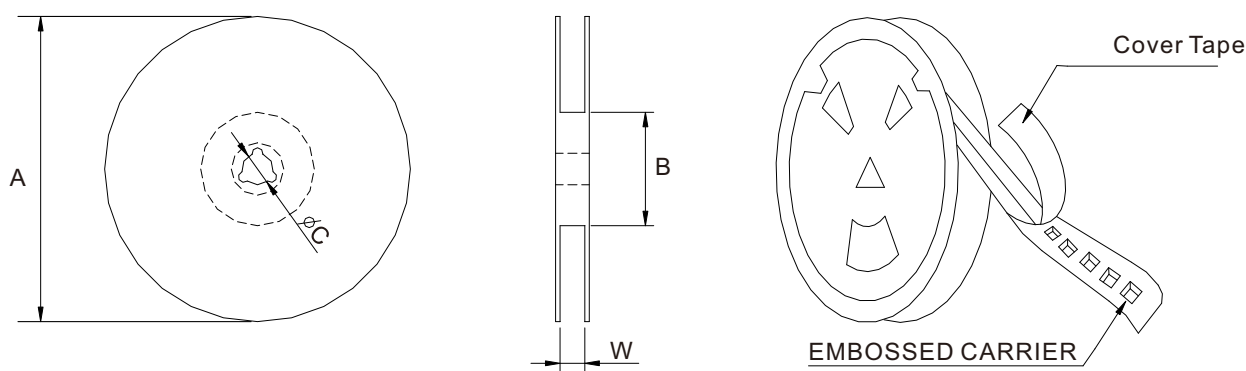
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HI1770		32.0	24.0	4.0	2.0	7.30	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1770		200	330	97	13	32.8