

SMD Molding Power Inductor

◆ Features

1. Magnetically shielded construction, low DC resistance.
2. The use of magnetic iron powder ensure capability for large current.
3. Low audible core noise.
4. Ideal for DC-DC converter applications in hand held personal computer and etc.
5. Frequency Range: up to 30MHz.
6. RoHS compliant.

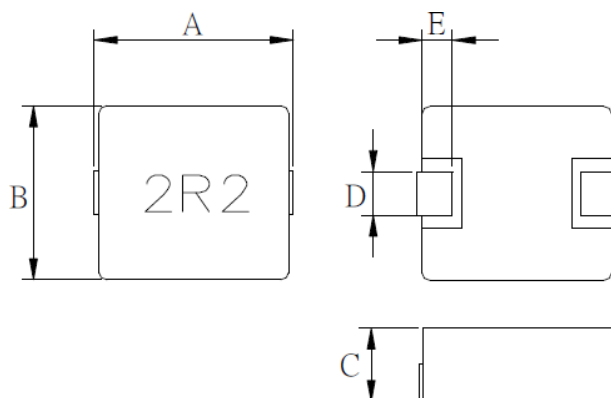
◆ Applications

1. Smart phone. MID.
2. Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
3. Flat-screen TVs, blue-ray disc recorders, set top box.
4. Notebooks, desktop computers, servers, graphic cards.
5. Portable gaming devices, personal navigation systems, personal multimedia devices.
6. Automotive systems.
7. Telecomm base stations.

◆ Lead Free Part Numbering

INYT 0420 F 2R2 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension. A X B
- (3) Material Code
- (4) Inductance. 2R2=2.2 μ H;
100=10 μ H. 101=100 μ H
- (5) Inductance Tolerance. M=±20%, N=±30%
- (6) Packaging: packed in embossed carrier tape



◆ Dimensions

Series	A±0.2(mm)	B±0.2 (mm)	C (mm)	D±0.1 (mm)	E±0.1 (mm)
INYT0420F	4.4	4.2	2.0 Max	1.5	0.8



◆ Specification

Part Number	Lo(μH) ±20 %	Rdc (mΩ)		Test a condition	HEAT RATING CURRENT(I _{dc}) DC AMPS1 (Typ.)	SATURATION CURRENT(I _{sat}) DC AMPS2 (Typ.)
		Typ.	Max			
INYT0420F Series						
INYT0420FR10MT	0.10	3.0	4.0	100KHz/1V	13	22
INYT0420FR22MT	0.22	5.0	6.6	100KHz/1V	9.5	12.5
INYT0420FR33MT	0.33	8.3	11	100KHz/1V	10	12
INYT0420FR47MT	0.47	10.5	14	100KHz/1V	7.5	9.5
INYT0420FR56MT	0.56	12.0	16	100KHz/1V	7.0	9.0
INYT0420FR68MT	0.68	13.5	18	100KHz/1V	7.0	8.0
INYT0420F1R0MT	1.0	20.3	27	100KHz/1V	6.0	7.0
INYT0420F1R2MT	1.2	20.3	27	100KHz/1V	6.0	6.5
INYT0420F1R5MT	1.5	24.5	36	100KHz/1V	5.5	5.8
INYT0420F2R2MT	2.2	33.5	48	100KHz/1V	5.0	5.2
INYT0420F3R3MT	3.3	65.3	87	100KHz/1V	4.3	4.5
INYT0420F4R7MT	4.7	78.8	105	100KHz/1V	3.8	4.0
INYT0420F6R8MT	6.8	131.3	175	100KHz/1V	3.4	2.8
INYT0420F100MT	10	211.5	282	100KHz/1V	1.6	2.0

NOTES:

1. DC current (I_{dc}) that will cause an approximate ΔT of 40°C
2. DC current (I_{sat}) that will cause Lo to drop approximately 20%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -55°C to +150°C
5. The part temperature (ambient + temp rise) should not exceed 150°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

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- 2、The use of magnetic iron powder ensure capability for large current;
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- 4、Ideal for DC-DC converter applications in hand held personal computer and etc;
- 5、Frequency Range: up to 3.0MHz;
- 6、RoHS compliant.

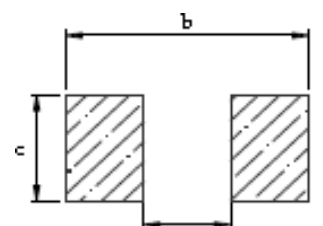
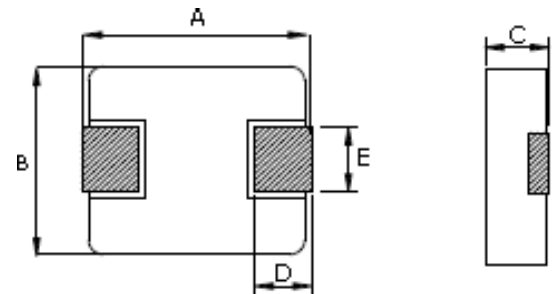
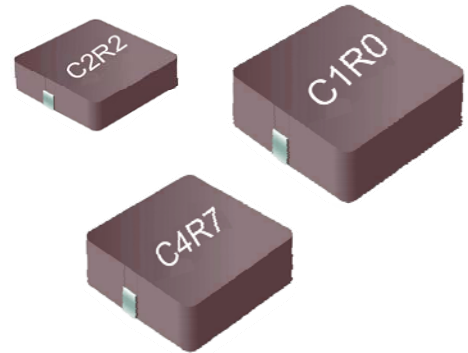
◆ Applications

- 1、Smart phone、MID;
- 2、Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras;
- 3、Flat-screen TVs, blue-ray disc recorders, set top box;
- 4、Notebooks, desktop computers, servers, graphic cards;
- 5、Portable gaming devices, personal navigation systems, personal multimedia devices;
- 6、Automotive systems;
- 7、Telecomm base stations.

◆ Lead Free Part Numbering

INYT 0618 F 2R2 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Material Code
- (4) Inductance: 2R2=2.2μH;
100=10μH; 101=100μH
- (5) Inductance Tolerance: M=±20%, Y=±30%
- (6) Packaging: packed in embossed carrier tape



Recommend Land Pattern

◆ Dimensions

Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	a typ	b typ	c typ
INYT0618F	7.0±0.3	6.6±0.2	1.6±0.2	1.6±0.3	3.0±0.3	3.7	8.4	3.5

◆ Specification

Part Number	INDUCTANCE Lo(uH)	Rdc (m Ω)	Test a condition	HEAT RATING CURRENT(I _{dc}) DC AMPS1 (Typ.)	SATURATION CURRENT(I _{sat}) DC AMPS2 (Typ.)
		Max			
INYT0618F Series					
INYT0618FR10MTT	0.10	2.3	100KHz/1.0V	25.0	38.0
INYT0618FR22MTT	0.22	3.5	100KHz/1.0V	22.0	24.0
INYT0618FR47MTT	0.47	8.4	100KHz/1.0V	11.5	18.0
INYT0618FR68MTT	0.68	12.0	100KHz/1.0V	9.5	16.5
INYT0618F1R0MTT	1.0	16.0	100KHz/1.0V	8.5	12.0
INYT0618F1R5MTT	1.5	26.0	100KHz/1.0V	8.0	9.2
INYT0618F2R2MTT	2.2	35.0	100KHz/1.0V	7.0	8.0
INYT0618F3R3MTT	3.3	50.0	100KHz/1.0V	4.5	6.0
INYT0618F4R7MTT	4.7	62.0	100KHz/1.0V	4.0	5.0
INYT0618F6R8MTT	6.8	110.0	100KHz/1.0V	3.0	4.5
INYT0618F100MTT	10	155.0	100KHz/1.0V	2.3	4.0
INYT0618F220MTT	22	350.0	100KHz/1.0V	1.8	2.3

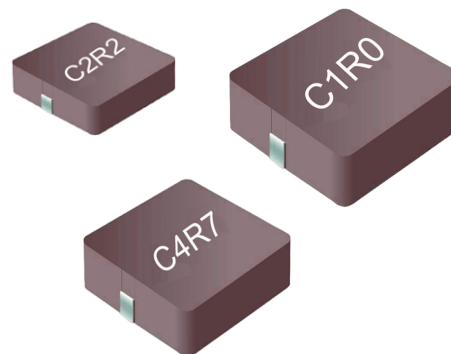
NOTES:

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2. DC current (I_{sat}) that will cause Lo to drop approximately 20%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -55°C to +150°C
5. The part temperature (ambient + temp rise) should not exceed 150°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

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5. Frequency Range: up to 3.0MHz.
6. RoHS compliant.



◆ Applications

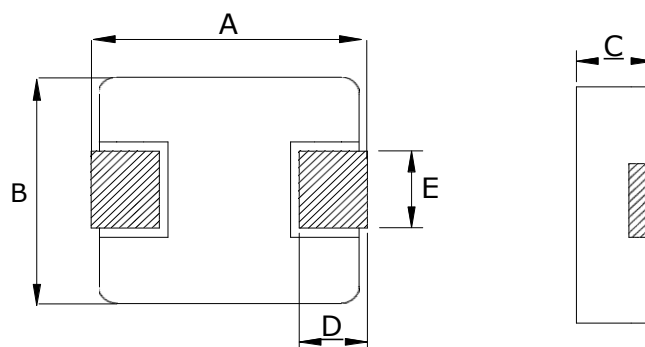
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◆ Lead Free Part Numbering

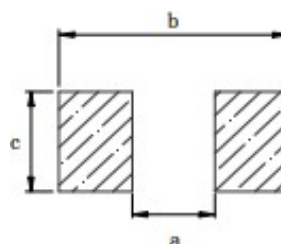
INYT 0620 H 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension. A X C
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External Dimensions Unit(mm)



Recommended Land Pattern(mm)



◆ Dimensions

Series	A±0.3 (mm)	B±0.2 (mm)	C (mm)	D±0.3 (mm)	E±0.3 (mm)	a typ (mm)	b typ (mm)	c typ (mm)
INYT0620F	7.0	6.6	2.0 Max	1.6	3.0	3.7	8.4	3.5

◆ Specification

Part Number	INDUCTANCE Lo(μH)	Rdc (mΩ)	Test a condition	HEAT RATING CURRENT(Idc) DC AMPS1 (Typ.)	SATURATION CURRENT(Isat) DC AMPS2 (Typ.)
		Max			
INYT0620F Series					
INYT0620FR22MT	0.22	3.0	100KHz/1V	24.0	34.0
INYT0620FR33MT	0.33	3.5	100KHz/1V	21.0	25.0
INYT0620FR47MT	0.47	4.1	100KHz/1V	18.0	20.0
INYT0620FR56MT	0.56	4.5	100KHz/1V	16.5	18.0
INYT0620FR68MT	0.68	5.3	100KHz/1V	16.0	17.0
INYT0620FR82MT	0.82	6.0	100KHz/1V	14.0	16.0
INYT0620F1R0MT	1.0	7.4	100KHz/1V	12.0	15.0
INYT0620F1R5MT	1.5	12.1	100KHz/1V	12.0	12.0
INYT0620F2R2MT	2.2	15.0	100KHz/1V	9.5	10.0
INYT0620F3R3MT	3.3	22.0	100KHz/1V	8.5	9.5
INYT0620F4R7MT	4.7	33.0	100KHz/1V	6.0	9.0
INYT0620F5R6MT	5.6	42.0	100KHz/1V	5.5	6.5
INYT0620F6R8MT	6.8	48.0	100KHz/1V	5.0	6.0
INYT0620F8R2MT	8.2	60.0	100KHz/1V	5.0	5.5
INYT0620F100MT	10	68.0	100KHz/1V	4.5	5.5
INYT0620F150MT	15	113	100KHz/1V	3.0	4.0
INYT0620F220MT	22	170	100KHz/1V	2.5	3.0
INYT0620F330MT	33	270	100KHz/1V	2.0	2.5
INYT0620F470MT	47	385	100KHz/1V	1.5	2.0

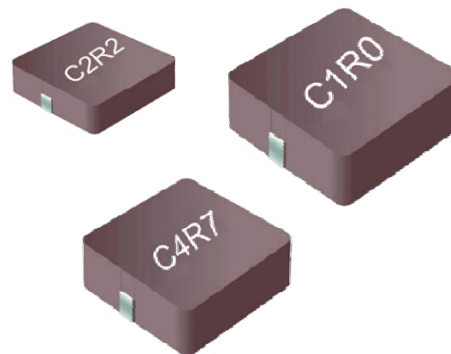
NOTES:

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◆ Applications

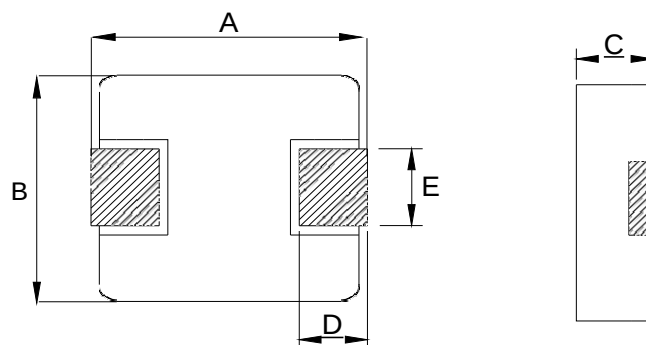
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3. Flat-screen TVs, blue-ray disc recorders, set top box.
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6. Automotive systems.
7. Telecomm base stations.

◆ Lead Free Part Numbering

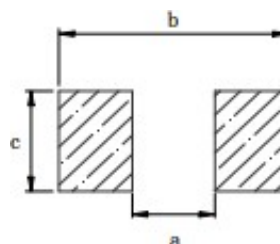
INYT 0630 H 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension. A X C
- (3) Material Code
- (4) Inductance. 2R2=2.2μH,
100=10μH, 101=100μH
- (5) Inductance Tolerance. M=±20%, Y=±30%
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External Dimensions Unit(mm)



Recommended Land Pattern(mm)



◆ Dimensions

Series	A±0.3 (mm)	B±0.2 (mm)	C (mm)	D±0.3 (mm)	E±0.3 (mm)	a typ (mm)	b typ (mm)	c typ (mm)
INYT0630F	7.0	6.6	2.0 Max	1.6	3.0	3.7	8.4	3.5

◆ Specification

Part Number	INDUCTANCE Lo(μH)	Rdc (mΩ)	Test a condition	HEAT RATING CURRENT(Idc) DC AMPS1 (Typ.)	SATURATION CURRENT(Isat) DC AMPS2 (Typ.)
		Max			
INYT0630F Series					
INYT0630FR22MT	0.22	3.0	100KHz/1V	24.0	34.0
INYT0630FR33MT	0.33	3.5	100KHz/1V	21.0	25.0
INYT0630FR47MT	0.47	4.1	100KHz/1V	18.0	20.0
INYT0630FR56MT	0.56	4.5	100KHz/1V	16.5	18.0
INYT0630FR68MT	0.68	5.3	100KHz/1V	16.0	17.0
INYT0630FR82MT	0.82	6.0	100KHz/1V	14.0	16.0
INYT0630F1R0MT	1.0	7.4	100KHz/1V	12.0	15.0
INYT0630F1R5MT	1.5	12.1	100KHz/1V	12.0	12.0
INYT0630F2R2MT	2.2	15.0	100KHz/1V	9.5	10.0
INYT0630F3R3MT	3.3	22.0	100KHz/1V	8.5	9.5
INYT0630F4R7MT	4.7	33.0	100KHz/1V	6.0	9.0
INYT0630F5R6MT	5.6	42.0	100KHz/1V	5.5	6.5
INYT0630F6R8MT	6.8	48.0	100KHz/1V	5.0	6.0
INYT0630F8R2MT	8.2	60.0	100KHz/1V	5.0	5.5
INYT0630F100MT	10	68.0	100KHz/1V	4.5	5.5
INYT0630F150MT	15	113	100KHz/1V	3.0	4.0
INYT0630F220MT	22	170	100KHz/1V	2.5	3.0
INYT0630F330MT	33	270	100KHz/1V	2.0	2.5
INYT0630F470MT	47	385	100KHz/1V	1.5	2.0

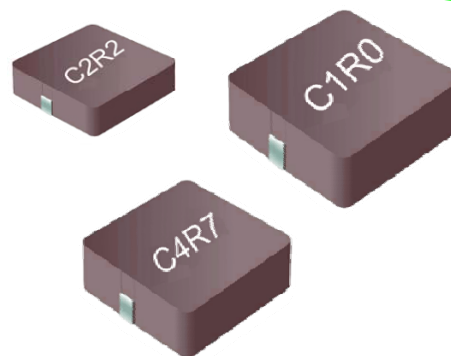
NOTES:

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5. Frequency Range: up to 3.0MHz.
6. RoHS compliant.



◆ Applications

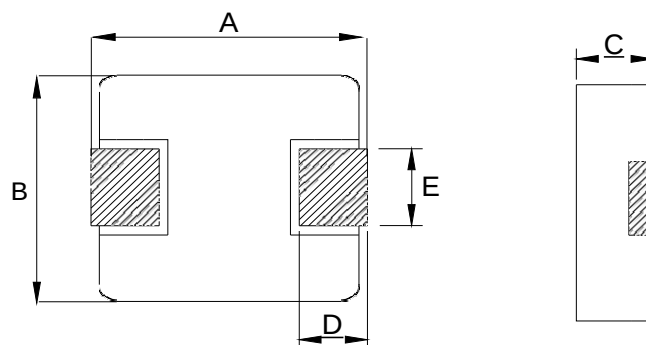
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◆ Lead Free Part Numbering

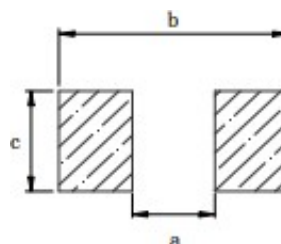
INYT 0650 F 100 M T
(1) (2) (3) (4) (5) (6)

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External Dimensions Unit(mm)



Recommended Land Pattern(mm)



◆ Dimensions

Series	A±0.3 (mm)	B±0.2 (mm)	C (mm)	D±0.3 (mm)	E±0.3 (mm)	a typ (mm)	b typ (mm)	c typ (mm)
INYT0650F	7.0	6.6	2.0 Max	1.6	3.0	3.7	8.4	3.5

◆ Specification

Part Number	INDUCTANCE Lo(μH)	Rdc (mΩ)	Test a condition	HEAT RATING CURRENT(Idc) DC AMPS1 (Typ.)	SATURATION CURRENT(Isat) DC AMPS2 (Typ.)
		Max			
INYT0650F Series					
INYT0650FR22MT	0.22	1.2	100KHz/1V	30.0	35.0
INYT0650FR33MT	0.33	2.5	100KHz/1V	220	25.0
INYT0650FR47MT	0.47	3.2	100KHz/1V	20.0	21.0
INYT0650FR56MT	0.56	3.8	100KHz/1V	16.5	18.0
INYT0650FR68MT	0.68	4.2	100KHz/1V	16.0	17.0
INYT0650FR82MT	0.82	4.5	100KHz/1V	14.0	16.0
INYT0650F1R0MT	1.0	5.6	100KHz/1V	12.0	13.0
INYT0650F1R5MT	1.5	7.8	100KHz/1V	10.0	11.0
INYT0650F2R2MT	2.2	11.5	100KHz/1V	9.5	10.0
INYT0650F3R3MT	3.3	16.2	100KHz/1V	8.5	9.5
INYT0650F4R7MT	4.7	26.3	100KHz/1V	6.0	9.0
INYT0650F5R6MT	5.6	33.5	100KHz/1V	5.5	6.5
INYT0650F6R8MT	6.8	41.8	100KHz/1V	5.0	6.0
INYT0650F8R2MT	8.2	48.7	100KHz/1V	5.0	5.5
INYT0650F100MT	10	82.0	100KHz/1V	4.5	6.5
INYT0650F150MT	15	106	100KHz/1V	3.1	4.0
INYT0650F220MT	22	120	100KHz/1V	2.5	3.5
INYT0650F330MT	33	180	100KHz/1V	2.3	3.0
INYT0650F470MT	47	260	100KHz/1V	2.0	2.8

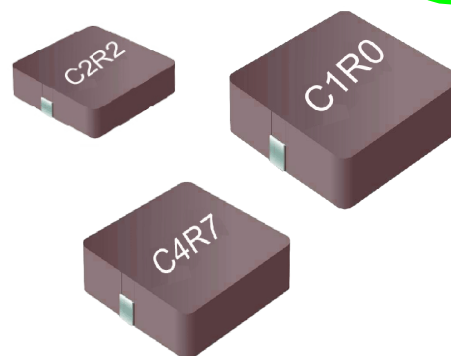
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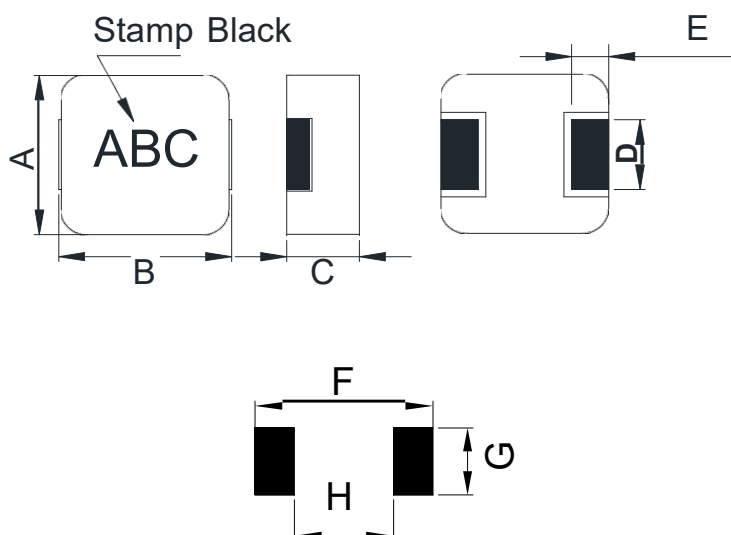
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◆ Lead Free Part Numbering

INYT 0850 F 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension. A X C
- (3) Material Code
- (4) Inductance. 2R2=2.2 μ H; 100=10 μ H.
- (5) Inductance Tolerance. M= $\pm$ 20%, Y= $\pm$ 30%
- (6) Packaging: packed in embossed carrier tape



◆ Dimensions

Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F(mm)	G(mm)	H(mm)
INYT0850F	8.10 $\pm$ 0.20	8.70 $\pm$ 0.30	5.0 Max	3.20 $\pm$ 0.20	1.85 $\pm$ 0.30	9.0 Ref.	3.2 Ref.	4.7 Ref.

◆ Specification

Part Number	INDUCTANCE Lo(uH)	Rdc (m Ω)	Test condition	HEAT RATING CURRENT(I _{dc}) DC AMPS1 (Typ.)	SATURATION CURRENT(I _{sat}) DC AMPS2 (Typ.)
		Max			
INYT00850H Series					
INYT0850H1R0MT	1.0±20%	5.5	100KHz/1V	18.0	16.0
INYT0850H1R5MT	1.5±20%	6.0	100KHz/1V	16.0	13.0
INYT0850H2R2MT	2.2±20%	13.0	100KHz/1V	15.0	10.0
INYT0850H3R3MT	3.3±20%	18.0	100KHz/1V	12.0	8.0
INYT0850H4R7MT	4.7±20%	22.0	100KHz/1V	10.0	7.0
INYT0850H6R8MT	6.8±20%	25.0	100KHz/1V	9.0	6.0
INYT0850H100MT	10±20%	45.0	100KHz/1V	7.0	5.0
INYT0850H150MT	15±20%	60.0	100KHz/1V	5.5	4.5
INYT0850H220MT	22±20%	90.0	100KHz/1V	5.0	4.0
INYT0850H330MT	33±20%	130.0	100KHz/1V	4.0	3.0
INYT0850H470MT	47±20%	200.0	100KHz/1V	3.0	2.5

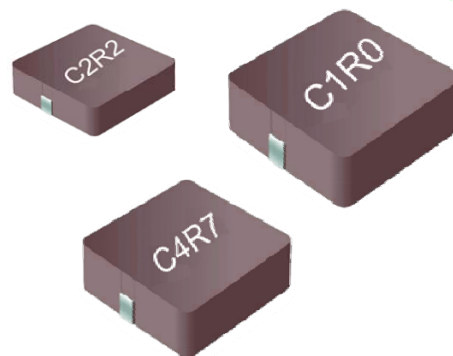
NOTES:

1. DC current (I_{dc}) that will cause an approximate ΔT of 40°C
2. DC current (I_{sat}) that will cause Lo to drop approximately 30%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -55°C to +125°C
5. The part temperature (ambient + temp rise) should not exceed 150°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

SMD Molding Power Inductor

◆ Features

1. Magnetically shielded construction, low DC resistance.
2. The use of magnetic iron powder ensure capability for large current.
3. Low audible core noise.
4. Ideal for DC-DC converter applications in hand held personal computer and etc.
5. Frequency Range: up to 3.0MHz.
6. RoHS compliant.



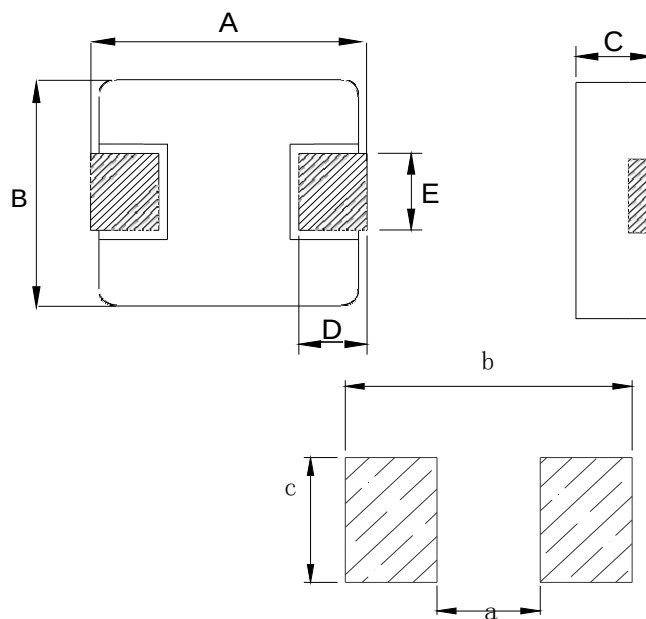
◆ Applications

1. Smart phone, MID.
2. Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
3. Flat-screen TVs, blue-ray disc recorders, set top box.
4. Notebooks, desktop computers, servers, graphic cards.
5. Portable gaming devices, personal navigation systems, personal multimedia devices.
6. Automotive systems.
7. Telecomm base stations.

◆ Lead Free Part Numbering

INYT 1040 F 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension, A X C
- (3) Material Code
- (4) Inductance. 2R2=2.2 μ H,
100=10 μ H, 101=100 μ H
- (5) Inductance Tolerance. M= $\pm$ 20%, Y= $\pm$ 30%
- (6) Packaging: packed in embossed carrier tape



Recommend Land Pattern

Series	A(mm)	B $\pm$ 0.3 (mm)	C $\pm$ 0.2 (mm)	D $\pm$ 0.5 (mm)	E $\pm$ 0.5 (mm)	a typ	b typ	c typ
INYT1040F	11.5Max	10.0	3.8	2.0	3.0	5.4	13.6	4.1

◆ Specification

Part Number	INDUCTANCE Lo(uH)	Rdc (m Ω)	Test a condition	HEAT RATING CURRENT(I _{dc}) DC AMPS1 (Typ.)	SATURATION CURRENT(I _{sat}) DC AMPS2 (Typ.)
		Max			
INYT1040F Series					
INYT1040FR22MT	0.22	1.0	100KHz/1V	35.0	60.0
INYT1040FR30MT	0.30	1.1	100KHz/1V	35.0	45.0
INYT1040FR36MT	0.36	1.2	100KHz/1V	30.0	45.0
INYT1040FR47MT	0.47	1.7	100KHz/1V	30.0	40.0
INYT1040FR56MT	0.56	1.8	100KHz/1V	25.0	33.0
INYT1040FR68MT	0.68	2.4	100KHz/1V	23.0	30.0
INYT1040FR80MT	0.80	2.7	100KHz/1V	23.0	29.0
INYT1040F1R0MT	1.0	3.3	100KHz/1V	19.0	28.0
INYT1040F1R5MT	1.5	4.2	100KHz/1V	16.0	24.0
INYT1040F2R2MT	2.2	7.0	100KHz/1V	12.0	16.5
INYT1040F3R3MT	3.3	11.8	100KHz/1V	11.0	16.0
INYT1040F4R7MT	4.7	20.0	100KHz/1V	9.0	13.0
INYT1040F6R8MT	6.8	25.0	100KHz/1V	8.5	12.0
INYT1040F8R2MT	8.2	27.0	100KHz/1V	8.0	9.0
INYT1040F100MT	10	30.0	100KHz/1V	7.8	8.5
INYT1040F150MT	15	45.0	100KHz/1V	6.5	7.0
INYT1040F220MT	22	66.0	100KHz/1V	5.0	5.5
INYT1040F330MT	33	92.0	100KHz/1V	4.4	4.8
INYT1040F470MT	47	145	100KHz/1V	3.3	3.5
INYT1040F680MT	68	195	100KHz/1V	2.5	3.0
INYT1040F101MT	100	340	100KHz/1V	2.0	2.3

NOTES:

1. DC current(I_{dc}) that will cause an approximate ΔT of 40°C
2. DC current(I_{sat}) that will cause Lo to drop approximately 20%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range-55°C to +150°C
5. The part temperature (ambient+temp rise) should not exceed 150°C

under the worst operating conditions. Circuit design, component placement. PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

SMD Molding Power Inductor

◆ Features

- 1、Magnetically shielded construction, low DC resistance;
- 2、The use of magnetic iron powder ensure capability for large current;
- 3、Low audible core noise;
- 4、Ideal for DC-DC converter applications in hand held personal computer and etc;
- 5、Frequency Range: up to 3.0MHz;
- 6、RoHS compliant.



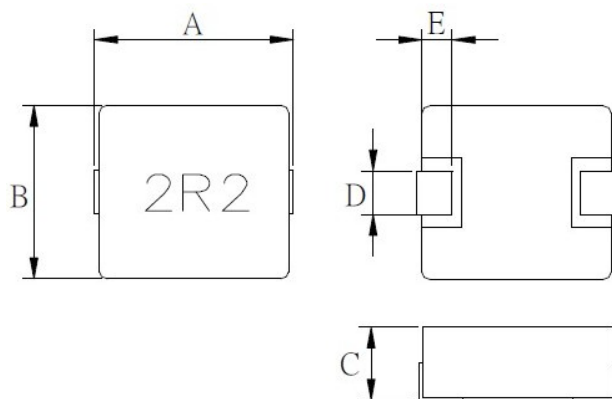
◆ Applications

- 1、Smart phone、MID;
- 2、Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras;
- 3、Flat-screen TVs, blue-ray disc recorders, set top box;
- 4、Notebooks, desktop computers, servers, graphic cards;
- 5、Portable gaming devices, personal navigation systems, personal multimedia devices;
- 6、Automotive systems;
- 7、Telecomm base stations.

◆ Lead Free Part Numbering

INYT 1050 F 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Material Code
- (4) Inductance: 2R2=2.2μH ; 100=10μH; 101=100μH
- (5) Inductance Tolerance: M=±20%, Y=±30%
- (6) Packaging : packed in embossed carrier tape



◆ Dimensions

Series	A±0.2(mm)	B±0.2 (mm)	C (mm)	D±0.1 (mm)	E±0.1 (mm)
INYT1050F	11.15	10.0	5.0 Max	3.0	2.0

◆ Specification

Part Number	INDUCTAN CE Lo(μ H)	Rdc (m Ω)	Test a condition	SATURATION CURRENT(Isat) DC AMPS2 (Typ.)	HEAT RATING CURRENT(Idc) DC AMPS1 (Typ.)
		Max			
INYT1050F Series					
INYT1050FR22MT	0.22	0.8	100KHz/1V	65	37
INYT1050F1R0MT	1.0	3.0	100KHz/1V	30	23
INYT1050F1R5MT	1.5	3.8	100KHz/1V	25	21
INYT1050F2R2MT	2.2	6.0	100KHz/1V	19	15
INYT1050F3R3MT	3.3	10	100KHz/1V	16	13
INYT1050F4R7MT	4.7	14	100KHz/1V	15	11
INYT1050F5R6MT	5.6	17	100KHz/1V	14	9.5
INYT1050F6R8MT	6.8	18.5	100KHz/1V	14	9.0
INYT1050F100MT	10	28	100KHz/1V	10	8.0
INYT1050F150MT	15	42	100KHz/1V	7.5	6.5
INYT1050F220MT	22	50	100KHz/1V	6.0	5.5
INYT1050F330MT	33	86	100KHz/1V	5.2	4.8
INYT1050F470MT	47	127	100KHz/1V	4.5	3.7
INYT1050F101MT	100	290	100KHz/1V	2.8	2.1

NOTES:

1. DC current (Idc) that will cause an approximate ΔT of 40°C
2. DC current (Isat) that will cause Lo to drop approximately 20%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -55°C to +150°C
5. The part temperature (ambient + temp rise) should not exceed 150°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

SMD Molding Power Inductor

◆ Features

- 1、Magnetically shielded construction, low DC resistance;
- 2、The use of magnetic iron powder ensure capability for large current;
- 3、Low audible core noise;
- 4、Ideal for DC-DC converter applications in hand held personal computer and etc;
- 5、Frequency Range: up to 3.0MHz;
- 6、RoHS compliant.



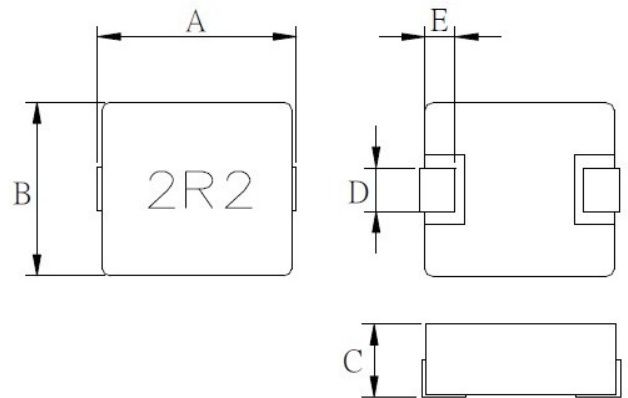
◆ Applications

- 1、Smart phone、MID;
- 2、Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras;
- 3、Flat-screen TVs, blue-ray disc recorders, set top box;
- 4、Notebooks, desktop computers, servers, graphic cards;
- 5、Portable gaming devices, personal navigation systems, personal multimedia devices;
- 6、Automotive systems;
- 7、Telecomm base stations.

◆ Lead Free Part Numbering

INYT 1265 F 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Material Code
- (4) Inductance: 2R2=2.2μH ; 100=10μH; 101=100μH
- (5) Inductance Tolerance: M=±20%, Y=±30%
- (6) Packaging : packed in embossed carrier tape



◆ Dimensions

Series	A±0.3 (mm)	B ±0.3 (mm)	C (mm)	D±0.3 (mm)	E±0.3 (mm)
INYT1265F	13.6 Max	12.6 Max	6.5 Max	3.5	2.5

◆ Specification

Part Number	INDUCTAN CE Lo(μ H)	Rdc (m Ω)	Test a condition	SATURATION CURRENT(Isat) DC AMPS2 (Typ.)	HEAT RATING CURRENT(Idc) DC AMPS1 (Typ.)
		Max			
INYT1265F Series					
INYT1265F2R2MT	2.2	4.5	100KHz/1V	30	18
INYT1265F4R7MT	4.7	8.5	100KHz/1V	24	16
INYT1265F5R6MT	5.6	10.5	100KHz/1V	22.5	14
INYT1265F6R8MT	6.8	12	100KHz/1V	19	13
INYT1265F8R2MT	8.2	14	100KHz/1V	16	12
INYT1265F100MT	10	16.5	100KHz/1V	15	11
INYT1265F150MT	15	26	100KHz/1V	11	9.5
INYT1265F220MT	22	36	100KHz/1V	9.0	8.0
INYT1265F330MT	33	65	100KHz/1V	8.0	6.5
INYT1265F470MT	47	70	100KHz/1V	6.8	5.5
INYT1265F680MT	68	120	100KHz/1V	5.2	4.8
INYT1265F820MT	82	135	100KHz/1V	4.5	4.0
INYT1265F101MT	100	170	100KHz/1V	4.0	3.5

NOTES:

1. DC current (Idc) that will cause an approximate ΔT of 40°C
2. DC current (Isat) that will cause Lo to drop approximately 20%
3. All test data is referenced to 25°C ambient
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