

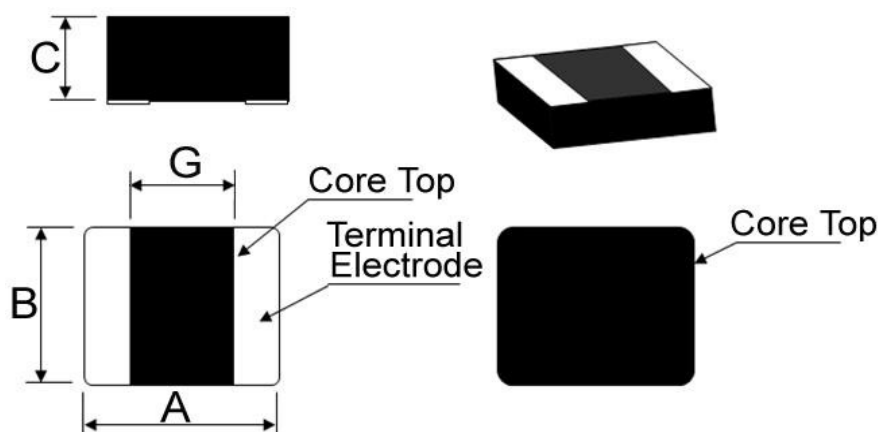


Indac ELECTRONICS CORP.
Total solution partner for EMI,Power and RF

SPECIFICATION FOR APPROVAL

Customer : _____ Date : **2023/8/20**
Customer P/N: _____ Rev No. : **A**
Indac P/N : INYT201210t 系列

1.MECHANICAL & DIMENSIONS



(UNIT: mm)

A	2.0±0.2
B	1.2±0.2
C	1.0Max
G	0.5±0.2

REMARK

NO Marking

2.TEMPERATURE RATING:

Operating	-55°C~ +125°C(Including self-temperature rise)
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3.PRODUCT IDENTIFICATION:

INYT 201210 T- 1R0 M T

A B C D E F

A: Product Series.

D: Inductance

B: Series number, part size

E:Inductance Tolerance. (K±10% M±20% T±30%)

C: Edition

F: Packing

PREPARED BY

CHECKED BY

APPROVED BY

mei.li

haixia.song



Indac ELECTRONICS CORP.

Total solution partner for EMI,Power and RF

4.ELECTRICAL REQUIREMENTS:

NO	Part Number	Inductance	DC Resistance		Isat(A)		Irms(A)		Marking
		1MHz/0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
	Units	(uH)	mΩ	mΩ	A	A	A	A	
1	INYT201210TR10MT	0.10±20%	13	8	8.1	8.5	7.1	7.5	N/A
2	INYT201210TR22MT	0.22±20%	22	16	6.8	7.4	6.6	7.1	N/A
3	INYT201210TR24MT	0.24±20%	23	17	6.8	7.2	6.5	7.0	N/A
4	INYT201210TR33MT	0.33±20%	32	24	6.1	6.5	5.1	5.5	N/A
5	INYT201210TR47MT	0.47±20%	36	30	5.1	5.5	4.4	4.7	N/A
6	INYT201210TR68MT	0.68±20%	43	37	4.6	5.0	4.1	4.4	N/A
7	INYT201210T1R0MT	1.0±20%	63	55	3.6	4.0	3.5	4.0	N/A
8	INYT201210T1R5MT	1.5±20%	85	76	2.8	3.2	2.7	3.1	N/A
9	INYT201210T2R2M	2.2±20%	150	135	2.5	2.7	1.7	2.0	N/A
10	INYT201210T4R7M	4.7±20%	325	285	1.6	1.4	1.7	1.5	N/A

Test remarks

- 1.All test data is referenced to 25 °C ambient.
- 2.Test Condition:1MHz, 1.0Vrms.
- 3.Irms:DC current (A) that will cause an approximate ΔT of 40 °C.
- 4.Isat:DC current (A) that will cause L0 to drop approximately 30%.
- 5.Operating Temperature Range -55°C to + 125°C.
- 6.The part temperature (ambient + temp rise) should not exceed 125 under °C the worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
- 7.The rated current as listed is either the saturation current or the heating current depending on which value is lower.
- 8.Absolute maximum voltage 15VDC.

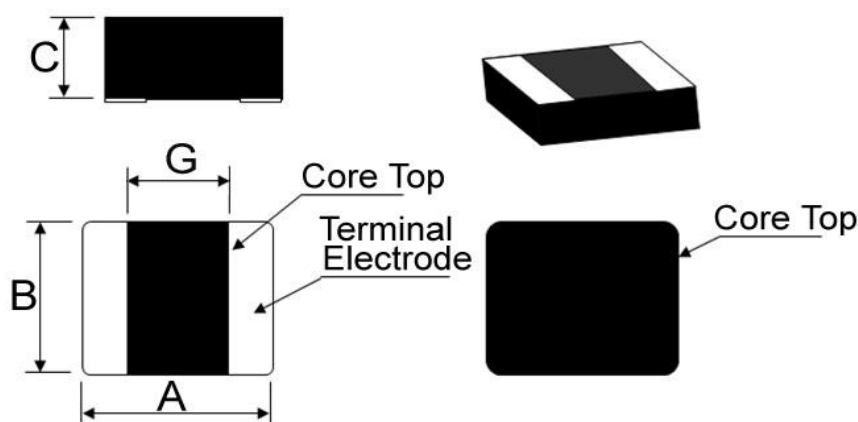


Indac ELECTRONICS CORP.
Total solution partner for EMI,Power and RF inductors

SPECIFICATION FOR APPROVAL

Customer : _____ Date : 2023/8/23
Customer P/N: _____ Rev No. : A
Indac P/N: INYT201610 系列

1.MECHANICAL & DIMENSIONS



(UNIT: mm)

A	2.0±0.2
B	1.6±0.2
C	1.0Max
G	0.6±0.2

REMARK

NO Marking

TEST INSTRUMENTS

4287A
TH2512A
6375+6220

2.TEMPERATURE RATING:

Operating -55°C~ +125°C(Including self-temperaturerise)

3.PRODUCT IDENTIFICATION:

INYT 201610 F 1R0 M T

A B C D E F

A: Product Series.

D: Inductance

B: Series number, part size

E:Inductance Tolerance. (K±10% M±20% T±30%)

C: Edition

F: Packing

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Indac ELECTRONICS CORP.
Total solution partner for EMI, Power and RF inductors

5. Electrical Characteristics

4. ELECTRICAL REQUIREMENTS:

NO	Part Number	Inductance	DC Resistance		Isat(A)		Irms(A)		Marking
		1MHz/0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
	Units	(uH)	mΩ	mΩ	A	A	A	A	
1	INYT201610FR10MT	0.10±20%	12	7	8.5	9.0	8.0	8.5	N/A
2	INYT201610FR15MT	0.15±20%	14	8	8.1	8.7	7.1	7.6	N/A
3	INYT201610FR22MT	0.22±20%	18	11	7.6	8.2	6.4	7.0	N/A
4	INYT201610FR24MT	0.24±20%	19	12	7.5	8.0	6.3	6.8	N/A
5	INYT201610FR33MT	0.33±20%	22	17	6.6	7.0	5.4	5.7	N/A
6	INYT201610FR47MT	0.47±20%	25	22	5.6	6.3	5.1	5.5	N/A
7	INYT201610FR68MT	0.68±20%	32	25	4.8	5.2	4.4	4.6	N/A
8	INYT201610F1R0MT	1.0±20%	43	35	4.3	4.6	4.2	4.5	N/A
9	INYT201610F1R5MT	1.5±20%	100	80	3.0	3.3	2.3	2.6	N/A
10	INYT201610F2R2MT	2.2±20%	130	120	2.9	3.0	2.2	2.5	N/A
11	INYT201610F3R3MT	3.3±20%	170	140	2.0	2.4	1.6	1.7	N/A
12	INYT201610F4R7MT	4.7±20%	220	190	1.9	2.0	1.5	1.6	N/A

Test remarks

1. All test data is referenced to 25 °C ambient.
2. Test Condition: 1MHz, 1.0Vrms.
3. Irms: DC current (A) that will cause an approximate ΔT of 40 °C.
4. Isat: DC current (A) that will cause L0 to drop approximately 30%.
5. Operating Temperature Range -55°C to + 125°C.
6. The part temperature (ambient + temp rise) should not exceed 125 under °C the worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
7. The rated current as listed is either the saturation current or the heating current depending on which value is lower.
8. Absolute maximum voltage 15VDC.

**INDAC ELECTRONIC CORP**

Total solution for EMI,Power and RF inductors

SPECIFICATION FOR APPROVAL

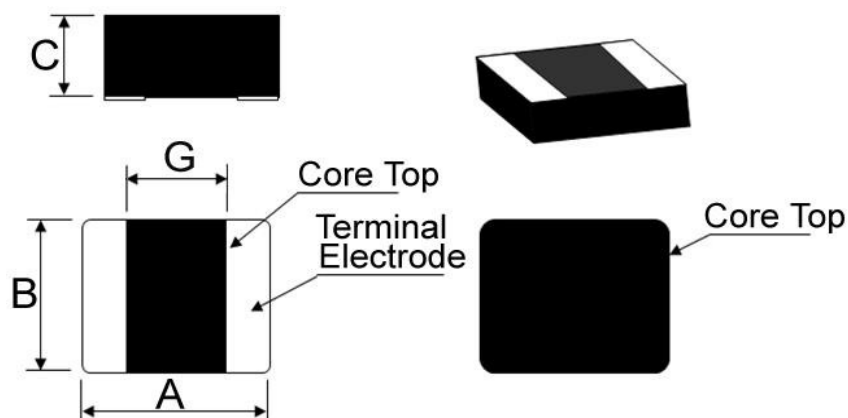
Customer : _____ Date : 2023/8/23

Customer P/N: _____ Rev No. : A

INDAC PN: _____

1. MECHANICAL & DIMENSIONS

(UNIT: mm)



A	2.5±0.2
B	2.0±0.2
C	1.0Max
G	0.7±0.2

REMARK**NO Marking****TEST INSTRUMENTS**

4287A
TH2512A
6375+6220

2. TEMPERATURE RATING:

Operating	-55℃ ~ +125℃ (Including self-temperature rise)
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3. PRODUCT IDENTIFICATION:**IN Y T 252010 F 2R2 M T****A B C D E F**

A: Product Series.

D: Inductance

B: Series number, part size

E: Inductance Tolerance. (K±10% M±20% T±30%)

C: Material

F: Packing

PREPARED BY**CHECKED BY****APPROVED BY***mei.li**haixia.song*



INDAC ELECTRONIC CORP

Total solution for EMI, Power and RF Inductors

4. ELECTRICAL REQUIREMENTS:

NO	Part Number	Inductance	DC Resistance		Isat(A)		Irms(A)		Marking
		1MHz/0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
	Units	(uH)	mΩ	mΩ	A	A	A	A	
1	INYT252010FR22MT	0.22±20%	17	12	7.9	8.7	6.5	6.8	N/A
2	INYT252010FR24MT	0.24±20%	18	12	7.9	8.6	6.5	6.9	N/A
3	INYT252010FR33MT	0.33±20%	19	13	7.3	7.6	6.3	6.5	N/A
4	INYT252010FR47MT	0.47±20%	22	15	6.6	6.9	5.7	6.2	N/A
5	INYT252010FR68MT	0.68±20%	27	22	5.6	5.9	5.1	5.7	N/A
6	INYT252010F1R0MT	1.0±20%	30	25	4.9	5.3	4.2	4.5	N/A
7	INYT252010F1R5MT	1.5±20%	55	45	3.9	4.3	3.1	3.4	N/A
8	INYT252010F2R2MT	2.2±20%	70	62	3.1	3.3	2.2	2.4	N/A
9	INYT252010F3R3MT	3.3±20%	100	86	2.5	2.9	2.2	2.5	N/A
10	INYT252010F4R7MT	4.7±20%	180	161	2.1	2.6	1.7	2	N/A
11	INYT252010F6R8MT	6.8±20%	321	271	1.8	2.3	1.3	1.5	N/A
12	INYT252010F100MT	10±20%	561	500	1.45	1.6	0.98	1.1	N/A
13	INYT252010F220MT	22±20%	1300	1100	0.9	1.15	0.6	0.9	N/A

Test remarks

All test data is referenced to 25 °C ambient.

Test Condition: 1MHz, 1.0Vrms.

Irms: DC current (A) that will cause an approximate ΔT of 40 °C.

Isat: DC current (A) that will cause L0 to drop approximately 30%.

Operating Temperature Range -55°C to + 125°C.

The part temperature (ambient + temp rise) should not exceed 125 under °C the

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

The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Absolute maximum voltage 15VDC.



INDAC ELECTRONIC CORP

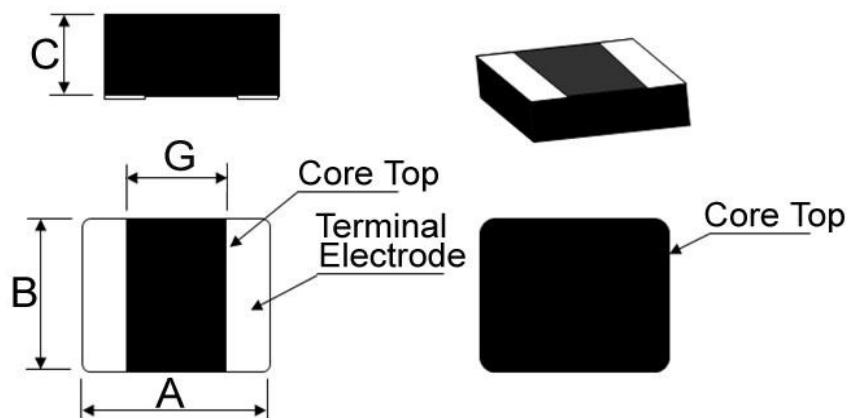
Total solution for EMI,Power and RF inductors

SPECIFICATION FOR APPROVAL

Customer	:		Date :	2023/8/23
Customer P/N	:		Rev No. :	A
	:			

1.MECHANICAL & DIMENSIONS

(UNIT: mm)



A	2.5±0.2
B	2.0±0.2
C	1.2Max
G	0.7±0.2

REMARK**NO Marking****TEST INSTRUMENTS**

4287A
TH2512A
6375+6220

2.TEMPERATURE RATING:

Operating	-55℃~ +125℃ (Including self-temperature rise)
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3.PRODUCT IDENTIFICATION:**INYT 252012 F 2R2****M T****A B C D****E F**

A: Product Series.

D: Inductance

B: Series number, part size

E: Inductance Tolerance. (K±10% M±20% T±30%)

C: Material

F: Packing

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INDAC ELECTRONIC CORP

Total solution for EMI,Power and RFindactors

4.ELECTRICAL REQUIREMENTS:

NO	Part Number	Inductance	DC Resistance		Isat(A)		Irms(A)		Marking
		1MHz/0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
	Units	(uH)	mΩ	mΩ	A	A	A	A	
1	INYT252012FR10MT	0.1±20%	10	6	12.6	13.5	10.7	12.5	N/A
2	INYT252012FR15MT	0.15±20%	11	7	12.2	13.1	10.2	11.7	N/A
3	INYT252012FR22MT	0.22±20%	14	9	9.2	9.8	7.7	8.3	N/A
4	INYT252012FR24MT	0.24±20%	15	10	8.9	9.4	7.6	8.1	N/A
5	INYT252012FR33MT	0.33±20%	17	11	7.9	8.4	6.5	6.9	N/A
6	INYT252012FR47MT	0.47±20%	19	13	7.1	7.6	6.2	6.7	N/A
7	INYT252012FR68MT	0.68±20%	23	17	6.2	6.6	5.6	6.4	N/A
8	INYT252012F1R0MT	1.0±20%	42	35	5.1	5.7	3.7	4.0	N/A
9	INYT252012F1R5MT	1.5±20%	50	44	4.2	4.6	3.3	3.8	N/A
10	INYT252012F2R2MT	2.2±20%	65	55	3.4	3.8	2.8	3.0	N/A
11	INYT252012F3R3MT	3.3±20%	97	80	2.8	3.1	1.9	2.4	N/A
12	INYT252012F4R7MT	4.7±20%	170	150	2.2	2.5	1.6	1.8	N/A
13	INYT252012F6R8MT	6.8±20%	270	245	1.8	2.1	1.5	1.7	N/A
14	INYT252012F100MT	10±20%	400	330	1.5	1.6	1.1	1.2	N/A

Test remarks

- 1.All test data is referenced to 25 °C ambient.
- 2.Test Condition:1MHz, 1.0Vrms.
- 3.Irms:DC current (A) that will cause an approximate ΔT of 40 °C.
- 4.Isat:DC current (A) that will cause L0 to drop approximately 30%.
- 5.Operating Temperature Range -55°C to + 125°C.
- 6.The part temperature (ambient + temp rise) should not exceed 125 under °C the worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
- 7.The rated current as listed is either the saturation current or the heating current depending on which value is lower.
- 8.Absolute maximum voltage 15VDC.



SPECIFICATION FOR APPROVAL

Customer : _____

Date : 2024/5/10

Indac P/N : INYT0420T-SERIES

Rev No. : A

1.PRODUCT IDENTIFICATION:

INYT 0420 T 2R2 M T

A B C D E F

A: Product Series.

D: Inductance

B: Series number, part size

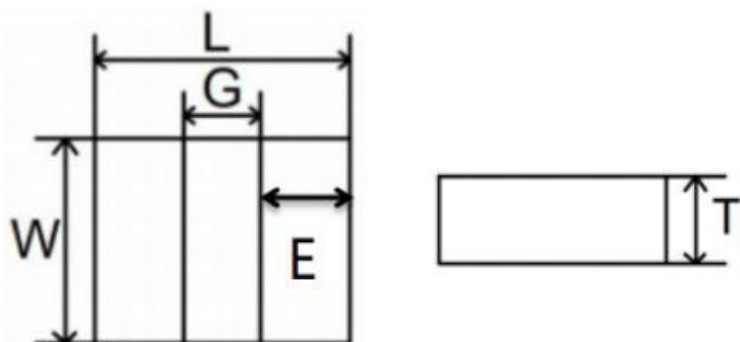
E: Inductance Tolerance. (K±10% M±20% T±30%)

C: Materials

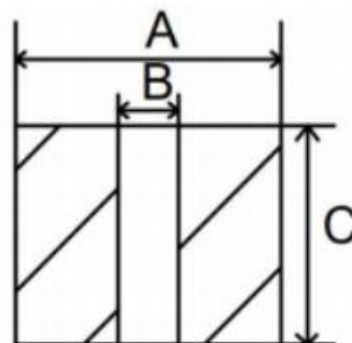
F:Packing

2.MECHANICAL & DIMENSIONS

Shape and Dimensions



Recommended Pattern



Units : mm

Series	L	G	W	E	T	A	B	C
INYT0420	4.1±0.2	1.3±0.2	4.1±0.2	1.40±0.2	2.00max	4.00typ	1.10typ	4.10typ

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APPROVED BY

mei.li

fie.ma



SPECIFICATION FOR APPROVAL

Customer : _____

Date : 2024/5/10

Indac P/N INYT0420TSERIES

Rev No. : A

3.ELECTRICAL REQUIREMENTS:

NO	Part Number	Inductance	RDC		Isat		Irms		Marking
		1MHz/0.1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
	Units	(μ H)	m Ω	m Ω	A	A	A	A	
1	INYT0420TR47MT	0.47	8.5	7.0	15.0	16.0	8.0	8.5	N/A
2	INYT0420T1R0MT	1.0	14.5	12	11.5	12.5	6.0	6.5	N/A
3	INYT0420T1R5MT	1.5	22	18	9.5	10.5	5.5	6.0	N/A
4	INYT0420T2R2MT	2.2	36	33	8.5	9.5	5.0	5.5	N/A
5	INYT0420T4R7MT	4.7	58	47	5.5	6.3	4.0	5.0	N/A
6	INYT0420T6R8MT	6.8	105	90	4.5	5.4	3.2	3.7	N/A
7	INYT0420T100MT	10	135	113	4.0	4.9	3.0	3.4	N/A
8	INYT0420T150MT	15	250	210	3.0	3.5	1.7	2.3	N/A
9	INYT0420T220MT	22	330	275	2.3	2.9	1.3	1.8	N/A

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%

- All test data is referenced to 25°C ambient
- Test Condition: 1MHz, 0.1Vrms
- Irms: DC current(A) that will cause an approximate ΔT of 40°C
- Isat: DC current(A) that will cause L0 to drop approximately 30%
- Operating temperature range — 55°C to ~+155°C

Packaging Quantity

P/N	Chip/Reel	Inner Box	Outer Box
INYT0420TSERIES	3000	---	---

1. +40°C and 70% RH.
2. Recommended products should be used within 12 months form the time of delivery.
3. The packaging material should be kept where no chlorine or sulfur exists in the air.

PREPARED BY	CHECKED BY	APPROVED BY
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