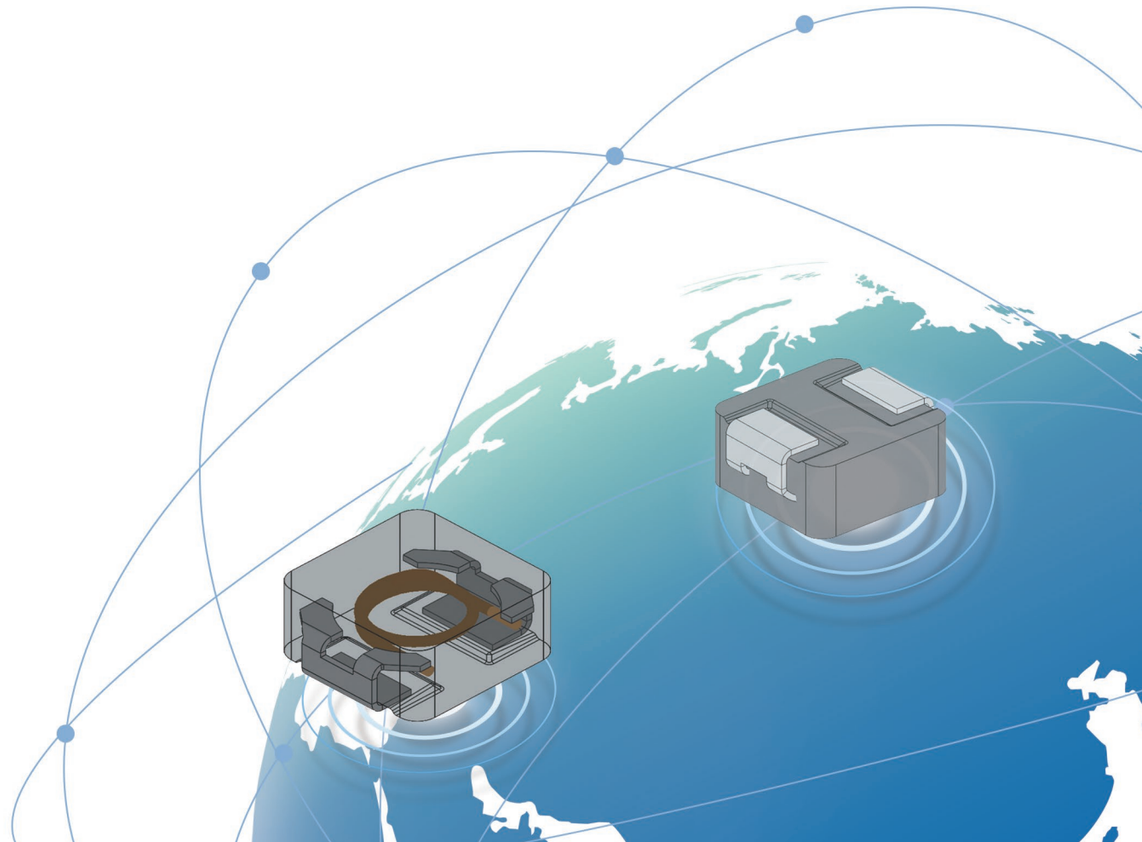
MOLDING CHOKE

一体成型电感

TDG 天通控股股份有限公司
TDG HOLDING CO.,LTD.



MOLDING CHOKE 2023

2023 一体成型电感

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线上商城　　微信公众号

TMAX SERIES | TMAX系列

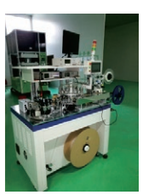
Company Superiority
公司优势

1. Rich Experience of More Than 30 Years in R&D and Production of Magnetic Materials
   30多年专业的磁材研发、生产经验
2. Complete Quality System
   完整的品质管理体系
3. Normative Laboratories Certified by CNAS and DiLAC
   CNAS和DiLAC双重认证的标准实验室
4. Advanced Equipment for Testing and Production in the Industry
   行业内先进的测试、生产设备
5. Professional Technical Team With More Than 10 Years of Experience
   10年以上相关经验的技术团队

IATF 16949

ISO 9001

ISO 14001

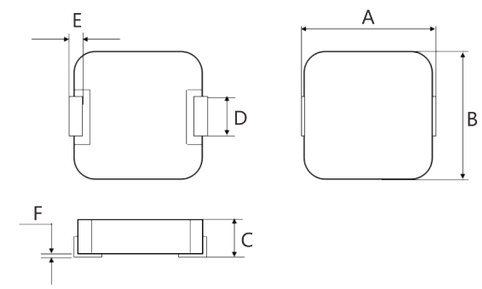


Features & Applications
产品特点及应用

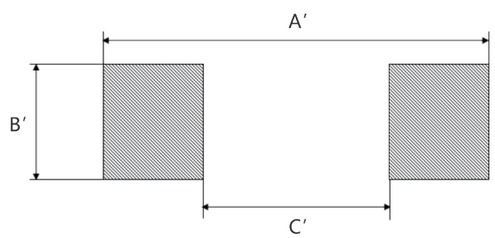
- Low Profile and High Rated Current
  超薄、高额定电流
- Die-Casting by Low Loss metal softmagnetic powder
  Low DCR and Surpassingly Anti-Rust Ability
  采用低损耗金属软磁粉末压铸，直流电阻低，防锈性能卓越
- Following RoHS and Haloger Free
  符合RoHS要求、不含卤素
- Good EMC performance and low noise
  良好的电磁兼容性、低噪
- Following AECQ-200
  符合AECQ-200

- Voltage Regulator Module
  电压调节模块
- DC/DC Converters
  直流-直流转换器
- Thin Type on-Board Power Supply Module for Exchanger
  电源供应模块
- Laptops and PCs
  笔记本及台式电脑
- SSD Modules
  硬盘模块
- Automotive Electronics
  汽车电子

Dimensions
产品尺寸



Recommend Land Pattern Dimensions
推荐焊盘尺寸



1 Power Choke

IATF 16949

PART NUMBERING

TMAX	04	20	A	R47	M	C
01	02	03	04	05	06	07

1. Series No

2. SIZE(L*W) : 04=4.4mm*4.2mm

CODE	04	05	06	08	10	13	17
DIMENSION	4.0*4.0	5.0*5.0	6.0*6.0	8.0*8.0	10*10	13*13	17*17

3. SIZE(T) : 12=1.2mm max.; 20=2.0mm max.

CODE	12	15	18	20	30	40	50	60	65	70
DIMENSION	1.2	1.5	1.8	2.0	3.0	4.0	5.0	6.0	6.5	7.0

4. Mold Code

5. Types:

TYPE	1		2		3		4	
CODE	R47	R68	1R0	2R2	100	220	101	201
INDUCTANCE VALUE	0.47	0.68	1.0	2.2	10	22	100	200

6. Tolerance: M=± 20%

7. Materials Type

SPECIFICATION NOTE

Note 1: Inductance Tolerance ± 20%

Note 2: All test data is referenced to 25℃ ambient.

Note 3: Test Condition:100kHz, 1.0Vrms

Note 4: Idc : DC current (A) that will cause an approximate △T of 40℃

Note 5: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 6: The part temperature (ambient + temp rise) should not exceed 125℃ under worse case operating conditions. Circuit design , component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 7: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

SERIES PRODUCT SPECIFICATION

4*4 SERIES

TMAX0412A (4.45*4.75*1.2mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0412AR33M	0.33	10.8	12	12	11	13.5	12
TMAX0412AR47M	0.47	16	18.4	9.5	8.5	10.6	9.2
TMAX0412AR56M	0.56	16.9	19.9	7	6.3	9.1	7.8
TMAX0412A1R0M	1	29	34.5	5.5	4.7	7	6
TMAX0412A1R5M	1.5	49	56	5	4.5	5.8	5
TMAX0412A2R2M	2.2	74	82	3.7	3.3	4.4	3.8
TMAX0412A3R3M	3.3	110	124	3.1	2.8	4.1	3.5
TMAX0412A4R7M	4.7	124	145	2.4	2.1	3.2	2.8
TMAX0412A6R8M	6.8	300	355	1.7	1.5	2.7	2.3

TMAX0418A (4.45*4.75*1.8mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0418AR10M	0.10	5.2	6	15	13	25	23
TMAX0418AR22M	0.22	10.6	12	10	8.5	20	17
TMAX0418AR47M	0.47	20	22	6.5	5.5	13	11
TMAX0418A1R0M	1.0	46	52	4.6	4.1	8.5	7
TMAX0418A2R2M	2.2	89	103	3.1	2.9	5.6	4.7

TMAX0420A (4.45*4.75*2.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0420AR36M	0.36	8	9.2	12.8	11.5	11	9.5
TMAX0420AR47M	0.47	8.4	9.5	11.5	10	9.5	8.5
TMAX0420A1R0M	1	17	20	7.5	6.5	8.7	7.6
TMAX0420A1R5M	1.5	30	36	5.8	5.2	7	6
TMAX0420A2R2M	2.2	36	42	5.5	4.8	6.5	5.7
TMAX0420A3R3M	3.3	55	64	3.7	3.3	5	4.3
TMAX0420A4R7M	4.7	74	89	3.5	3.1	4.6	3.8
TMAX0420A6R8M	6.8	128	148	2.6	2.35	3.3	2.7

5*5 SERIES

TMAX0515A (5.4*5.7*1.5mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0515AR12M	0.12	3.2	3.7	18	16	29	25
TMAX0515AR22M	0.22	3.79	4.4	16	14.5	20	16.8
TMAX0515AR47M	0.47	10.8	12.7	10	9	15	12.7
TMAX0515AR68M	0.68	13.5	15.5	9	8.1	11.2	9.5
TMAX0515A1R0M	1	19	23	6.5	5.8	10	8.5
TMAX0515A1R2M	1.2	29	33.7	5.3	4.7	8	6.5
TMAX0515A2R2M	2.2	45	52	5	4	7	6
TMAX0515A3R3M	3.3	60	72	3.5	3.1	5.1	4.3
TMAX0515A4R7M	4.7	88	100	3.1	2.7	4.2	3.7
TMAX0515A100M	10	152	170	2.1	1.9	3.1	2.7

TMAX0518A (5.4*5.7*1.8mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0518AR22M	0.22	3.15	3.65	20	17	24	20.5
TMAX0518AR24M	0.24	3.15	3.65	20	17	23	20
TMAX0518AR33M	0.33	4.5	5.2	17	15	20	17
TMAX0518AR47M	0.47	7.6	8.5	11.5	10.5	17	16
TMAX0518AR68M	0.68	11.5	13.3	9.2	8.3	16.2	13.4
TMAX0518A1R0M	1	13.9	16	8.2	7.2	11.8	10.3
TMAX0518A1R5M	1.5	22.5	26	6.7	6	10.5	8.3
TMAX0518A2R2M	2.2	28	33	5.7	5	7.4	6.3

TMAX0530A (5.4*5.7*3.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0530AR15M	0.15	3.1	3.5	17	14.8	30	26.4
TMAX0530AR33M	0.33	4.55	5.15	14	12.2	19	16.5
TMAX0530AR47M	0.47	7.6	8.5	11	9.6	16	13.9
TMAX0530AR68M	0.68	9	10	11	9.6	13	11.3
TMAX0530A1R0M	1	12	13.5	9	7.8	11	9.6
TMAX0530A2R2M	2.2	25	29	6.5	5.7	9	7.8
TMAX0530A3R3M	3.3	33	38	5.5	4.8	8	7.0
TMAX0530A4R7M	4.7	51	60	4.5	3.9	6	5.2
TMAX0530A6R8M	6.8	80	90	3.5	3.0	4.5	3.9
TMAX0530A100M	10	110	125	3	2.6	4	3.5

6*6 SERIES

TMAX0630A (7.4*6.8*3.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0630AR22M	0.22	1.15	1.3	37	32	38	32
TMAX0630AR36M	0.36	2.3	2.55	25	23	31	28
TMAX0630AR47M	0.47	2.9	3.3	23	20	25	23
TMAX0630AR68M	0.68	4.6	5.2	16.5	15.5	18.5	17
TMAX0630AR82M	0.82	4.7	5.4	16.2	15	18	15.6
TMAX0630A1R0M	1	5.6	6.5	16	14.4	17	15
TMAX0630A1R5M	1.5	7.5	8.9	12	11	15	14
TMAX0630A2R2M	2.2	11	12.8	10	9	14	12
TMAX0630A3R3M	3.3	18.5	21	8	7	11	10
TMAX0630A4R7M	4.7	23.6	26	6.7	6	8	7
TMAX0630A6R8M	6.8	41	48	5.5	5	7	6.1
TMAX0630A8R2M	8.2	52	60	5.1	4.6	6.6	5.7
TMAX0630A100M	10	59	66	4.2	3.8	6.2	5.5
TMAX0630A220M	22	148	170	2.8	2.3	3.2	2.7
TMAX0630A330M	33	230	270	2.1	1.8	3	2.5

TMAX0650A (7.4*6.8*5.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0650AR33M	0.33	2.85	3.2	22	19.1	30	26.1
TMAX0650AR47M	0.47	4.4	4.95	18	15.7	22	19.1
TMAX0650A1R0M	1	5.6	6	15.6	13.6	13	11.3
TMAX0650A3R3M	3.3	15.5	17.8	7.5	6.5	10	8.7
TMAX0650A5R5M	5.5	27	33	6.3	5.5	9.5	8.3
TMAX0650A6R8M	6.8	31	37	6	5.2	8	7.0
TMAX0650A100M	10	53	65	4	3.5	6.5	5.7
TMAX0650A150M	15	76	85	3.8	3.3	5	4.3
TMAX0650A180M	18	90	100	3.5	3.0	4.5	3.9
TMAX0650A220M	22	116	130	3	2.6	4	3.5
TMAX0650A330M	33	170	185	2.7	2.3	3	2.6
TMAX0650A470M	47	295	330	2	1.7	2.5	2.2

8*8 SERIES

TMAX0840A (8.8*8.0*4.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX0840A1R0M	1	4.2	4.8	18	15.7	24	20.9

10*10 SERIES

TMAX1040A (11.5*10.3*4.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX1040AR15M	0.15	0.45	0.55	50	45	76	6
TMAX1040AR22M	0.22	0.82	0.93	36	32	63	60
TMAX1040AR36M	0.36	1.05	1.18	33	29	51	42
TMAX1040AR47M	0.47	1.3	1.5	32	28	46	40
TMAX1040AR56M	0.56	1.59	1.8	25	23	33.5	28
TMAX1040A1R0M	1	2.85	3.3	19	17	29	26
TMAX1040A1R5M	1.5	3.8	4.2	16	15	22	18
TMAX1040A2R2M	2.2	6	7	12	11	20	16
TMAX1040A3R3M	3.3	10.5	12	10	9	16.2	13.5
TMAX1040A4R7M	4.7	16.8	20	8.5	7.6	15.2	13
TMAX1040A5R6M	5.6	19.8	23	8	7.2	14.1	11.5
TMAX1040A6R8M	6.8	22	24.5	7.8	6.5	12	9.5
TMAX1040A8R2M	8.2	24	26.5	7.6	6.2	9	8
TMAX1040A100M	10	27	30	7.5	5.8	8.6	7.2
TMAX1040A150M	15	39.5	45	6.3	5	8	6.9
TMAX1040A220M	22	59	66	5	4	6.2	5.4
TMAX1040A330M	33	84	91	4.4	3.5	5.5	5
TMAX1040A470M	47	129	143	3.3	2.8	4	3.7

13*13 SERIES

TMAX1350A (12.8*13.8*5.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX1350AR47M	0.47	0.9	1.05	38.5	34.2	55	47.4
TMAX1350AR68M	0.68	1.34	1.55	35	30.5	54	46
TMAX1350AR82M	0.82	1.45	1.65	34.2	30.2	42	39
TMAX1350A1R0M	1	1.8	2.2	30	27	36	32.5
TMAX1350A2R2M	2.2	4	5	20.5	19	25	22
TMAX1350A3R3M	3.3	5.5	7	15.5	14	22.5	19.5
TMAX1350A4R7M	4.7	8.5	10.3	13	11.5	17.2	14.5
TMAX1350A6R8M	6.8	13	15	11.5	10	15	12
TMAX1350A100M	10	18.9	22	9	8.1	13	10.5
TMAX1350A150M	15	30	35	7	6.3	8	6.8
TMAX1350A220M	22	50	58	5.5	5	6.6	5.7

TMAX1365A (12.8*13.8*6.5mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX1350AR68M	0.68	1.45	1.68	35	32	75	70
TMAX1350A1R0M	1	1.8	2.15	31	28	53	50
TMAX1350A1R3M	1.3	2.2	2.5	28.5	27.5	52	49
TMAX1350A1R5M	1.5	2.3	2.6	28	27	51	48
TMAX1350A1R8M	1.8	2.7	3.1	25	24	49	47
TMAX1350A2R2M	2.2	3.49	4.2	22.5	21.5	46	42
TMAX1350A3R3M	3.3	3.75	4.4	22	20	42	40
TMAX1350A4R7M	4.7	7.8	8.5	16	15	30	26
TMAX1350A5R6M	5.6	9	10.5	14	12.5	28	24
TMAX1350A6R8M	6.8	11.5	13.5	12.5	11	26	22
TMAX1350A8R2M	8.2	14	16	11.5	10	21	19
TMAX1350A100M	10	16	18.5	11	9	20	18
TMAX1350A150M	15	32	37	8.5	7.5	15	13
TMAX1350A220M	22	38	44	6.5	5.8	11.5	10

17*17 SERIES

TMAX1770A(17.5*17.15*7.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TMAX1770A2R2M	2.2	2.1	2.5	37	30	38	33
TMAX1770A3R3M	3.3	3.4	3.95	29	26	30	26
TMAX1770A4R7M	4.7	4	4.6	27	24	28	24
TMAX1770A6R8M	6.8	6.5	7.5	21	19	25	22
TMAX1770A8R2M	8.2	8	8.6	16	15	22	20
TMAX1770A100M	10	9.2	9.9	14	13	20	18.5
TMAX1770A150M	15	13.8	15.3	12	11	15.5	13.5
TMAX1770A200M	20	19.4	21.9	9.7	8.7	13	11
TMAX1770A220M	22	20	23	9.7	8.7	12	10.5
TMAX1770A330M	33	32	37	9.2	8	10.5	8.6
TMAX1770A470M	47	40	47	6.8	6	8.5	7.5
TMAX1770A680M	68	73	85	5.2	4.7	8	6.8
TMAX1770A101M	100	110	130	3.7	3.3	6	5

2 AUTOMOTIVE CHOKE

IATF 16949

PART NUMBERING

TVAX	04	20	A	R47	M	C	5
01	02	03	04	05	06	07	08

1. Series No

2. SIZE(L*W) : 04=4.4mm*4.2mm

CODE	04	05	06	08	10
DIMENSION	4.45*4.75	5.4*5.7	6.8*7.4	8.0*8.8	10.3*11.5

3. SIZE(T) : 12=1.2mm max. ; 20=2.0mm max.

CODE	12	15	18	20	30	40	50	60	65	70
DIMENSION	1.2	1.5	1.8	2.0	3.0	4.0	5.0	6.0	6.5	7.0

4. Mold Code

5. Typess:

TYPE	1		2		3		4	
CODE	R47	R68	1R0	2R2	100	220	101	201
INDUCTANCE VALUE	0.47	0.68	1.0	2.2	10	22	100	200

6. Tolerance: M=± 20%

7. Materials Type

8. Operating Temp.

CODE	NA	5	6
OPERATING TEMP.	-55℃~125℃	-55℃~155℃	-55℃~165℃

SPECIFICATION NOTE

Note 1: Inductance Tolerance ± 20%

Note 2: All test data is referenced to 25℃ ambient.

Note 3: Test Condition:100kHz, 1.0Vrms

Note 4: Idc : DC current (A) that will cause an approximate △T of 40℃

Note 5: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 6: The part temperature (ambient + temp rise) should not exceed 125℃ under worse case operating conditions. Circuit design , component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 7: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

SERIES PRODUCT SPECIFICATION

4*4 SERIES

TVAX0420A (4.45*4.75*2.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX0420AR36M	0.36	8	9.2	12.8	11.5	11	9.5
TVAX0420AR47M	0.47	8.4	9.5	11.5	10	9.5	8.5
TVAX0420A1R0M	1	17	20	7.5	6.5	8.7	7.6
TVAX0420A1R5M	1.5	30	36	5.8	5.2	7	6
TVAX0420A2R2M	2.2	36	42	5.5	4.8	6.5	5.7
TVAX0420A3R3M	3.3	55	64	3.7	3.3	5	4.3
TVAX0420A4R7M	4.7	74	89	3.5	3.1	4.6	3.8
TVAX0420A6R8M	6.8	128	148	2.6	2.35	3.3	2.7

6*6 SERIES

TVAX0630A (7.4*6.8*3.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX0630AR22M	0.22	1.15	1.3	37	32	38	32
TVAX0630AR36M	0.36	2.3	2.55	25	23	31	28
TVAX0630AR47M	0.47	2.9	3.3	23	20	25	23
TVAX0630AR68M	0.67	4.6	5.2	16.5	15.5	18.5	17
TVAX0630AR82M	0.82	4.7	5.4	16.2	15	18	15.6
TVAX0630A1R0M	1	5.6	6.5	16	14.4	17	15
TVAX0630A1R5M	1.5	7.5	8.9	12	11	15	14
TVAX0630A2R2M	2.2	11	12.8	10	9	14	12
TVAX0630A3R3M	3.3	18.5	21	8	7	11	10
TVAX0630A4R7M	4.7	23.6	26	6.7	6	8	7
TVAX0630A6R8M	6.8	41	48	5.5	5	7	6.1
TVAX0630A8R2M	8.2	52	60	5.1	4.6	6.6	5.7
TVAX0630A100M	10	59	66	4.2	3.8	6.2	5.5
TVAX0630A220M	22	148	170	2.8	2.3	3.2	2.7

8*8 SERIES

TVAX0854A (8.8*8.0*5.4mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX0854A1R5M	1.5	6.1	7.3	11.4	10.3	16.3	14
TVAX0854A2R2M	2.2	9.5	11.4	9.7	8.7	14.8	12.7
TVAX0854A3R3M	3.3	14	15.4	8	7.2	13.5	11.6
TVAX0854A4R7M	4.7	19	20.9	7	6.3	13.1	11.2
TVAX0854A5R6M	5.6	21.5	24	6.5	5.9	10.6	9.1
TVAX0854A6R8M	6.8	24.2	26.6	6.1	5.5	10.2	8.7
TVAX0854A8R2M	8.2	29	31.9	5.6	5	9	7.7
TVAX0854A100M	10	34.5	38	5.2	4.7	8	6.9
TVAX0854A150M	15	60	66	3.8	3.4	6.9	5.9
TVAX0854A220M	22	85	93.5	3.3	3	6.3	5.4

10*10 SERIES

TVAX1040A (11.5*10.3*4.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX1040AR15M	0.15	0.45	0.55	50	45	76	64
TVAX1040AR22M	0.22	0.82	0.93	36	32	63	60
TVAX1040AR36M	0.36	1.05	1.18	33	29	51	42
TVAX1040AR47M	0.47	1.3	1.5	32	28	46	40
TVAX1040AR56M	0.56	1.59	1.8	25	23	33.5	28
TVAX1040A1R0M	1	2.85	3.3	19	17	29	26
TVAX1040A1R5M	1.5	3.8	4.2	16	15	22	18
TVAX1040A2R2M	2.2	6	7	12	11	20	16
TVAX1040A3R3M	3.3	10.5	12	10	9	16.2	13.5
TVAX1040A4R7M	4.7	16.8	20	8.5	7.6	15.2	13
TVAX1040A5R6M	5.6	19.8	23	8	7.2	14.1	11.5
TVAX1040A6R8M	6.8	22	24.5	7.8	6.5	12	9.5
TVAX1040A8R2M	8.2	24	26.5	7.6	6.2	9	8
TVAX1040A100M	10	27	30	7.5	5.8	8.6	7.2
TVAX1040A150M	15	39.5	45	6.3	5	8	6.9
TVAX1040A220M	22	59	66	5	4	6.2	5.4

TVAX1050A (11.5*10.3*5.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX1050A1R0M	1	2.15	2.4	25	21.7	35	30.4
TVAX1050A1R5M	1.5	2.6	3	20	17.4	25	21.7
TVAX1050A2R2M	2.2	3.9	4.3	15	13	18	15.7
TVAX1050A3R3M	3.3	8.2	9.5	13	11.3	18	15.7
TVAX1050A4R7M	4.7	11.9	13.6	12	10.4	23	20.0
TVAX1050A5R6M	5.6	11.9	13.7	11	9.6	17	14.8
TVAX1050A6R8M	6.8	16.8	19.4	9	7.8	15	13.0
TVAX1050A100M	10	22.1	25.4	7.3	6.3	12	10.4
TVAX1050A120M	12	23.5	26.8	7.5	6.5	11	9.6
TVAX1050A150M	15	31	35.5	6	5.2	8	7.0
TVAX1050A220M	22	48.8	56.1	5	4.3	6.8	5.9

13*13 SERIES

TVAX1350A (12.8*13.8*5.0mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX1350AR47M	0.47	0.9	1.05	38.5	34.2	55	47.4
TVAX1350AR68M	0.68	1.34	1.55	35	30.5	54	46
TVAX1350AR82M	0.82	1.45	1.65	34.2	30.2	42	39
TVAX1350A1R0M	1	1.8	2.2	30	27	36	32.5
TVAX1350A2R2M	2.2	3.98	5	20.5	19	25	22
TVAX1350A3R3M	3.3	5.5	7	15.5	14	22.5	19.5
TVAX1350A4R7M	4.7	8.5	10.3	13	11.5	17.2	14.5
TVAX1350A6R8M	6.8	13	15	11.5	10	15	12
TVAX1350A100M	10	18.9	22	9	8.1	13	10.5
TVAX1350A150M	15	30	35	7	6.3	8	6.8
TVAX1350A220M	22	50	58	5.5	5	6.6	5.7

TVAX1365A (12.8*13.8*6.5mm)

Part Number	L0 Inductance (μH)	DCR (mohm)		Heat rating current,Idc (A)		Saturation current,Isat (A)	
		Typical	Max	Typical	Max	Typical	Max
TVAX1365AR68M	0.68	1.45	1.68	35	32	75	70
TVAX1365A1R0M	1	1.8	2.15	31	28	53	50
TVAX1365A1R3M	1.3	2.2	2.5	28.5	27.5	52	49
TVAX1365A1R5M	1.5	2.3	2.6	28	27	51	48
TVAX1365A1R8M	1.8	2.7	3.1	25	24	49	47
TVAX1365A2R2M	2.2	3.49	4.2	22.5	21.5	46	42
TVAX1365A3R3M	3.3	3.75	4.4	22	20	42	40
TVAX1365A4R7M	4.7	7.8	8.5	16	15	30	26
TVAX1365A5R6M	5.6	9	10.5	14	12.5	28	24
TVAX1365A6R8M	6.8	11.5	13.5	12.5	11	26	22
TVAX1365A8R2M	8.2	14	16	11.5	10	21	19
TVAX1365A100M	10	16	18.5	11	9	20	18
TVAX1365A150M	15	32	37	8.5	7.5	15	13
TVAX1365A220M	22	38	44	6.5	5.8	11.5	10