MOLDING CHOKE

一体成型电感

天通控股股份有限公司

MOLDING CHOKE 2025

2025 一体成型电感

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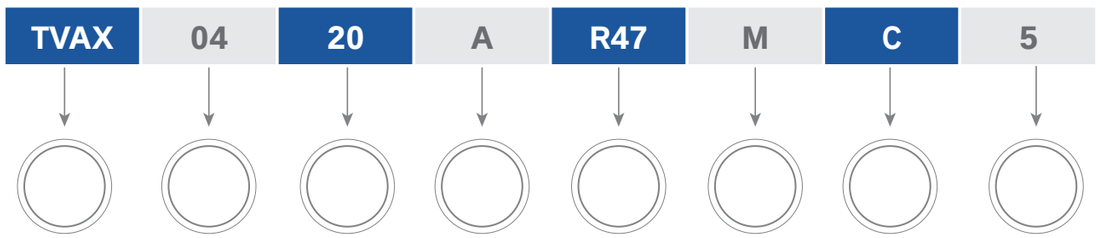
天通人

线上商城



SERIES NUMBER

SIZE(L*W) UNIT(MM)

CODE	04	05	06	10	13	0606	1205
DIMENSION	4.75*4.45	5.7*5.4	7.4*6.8	11.5*10.3	13.8*12.9	6.8*6.2	12*5.5

Note 1: All test data is referenced to 25 ambient

Note 2: Test Condition: 100kHz, 1.0Vrms

Note 3: Idc : DC current (A) that will cause an approximate T of 40

Note 4: Isat : DC current (A) that will cause Lo to drop approximately 30

Note 5: The par temperature (ambient + temprise) should not exceed 125 under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, air low and other cooling provision all afect the par temperature. Par temperature should be verifed in the end application.

Note 6: The rated current as listed is either the saturation current or the heating current depending on which value is lower.



IATF 16949

TMAX0530A(5.7*5.4*3.0mm)

Pa r Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TMAX0530AR15M	0.15	3.1	3.5	17	30
TMAX0530AR33M	0.33	4.55	5.15	14	19
TMAX0530AR47M	0.47	7.6	8.5	11	16
TMAX0530AR68M	0.68	9	10	11	13
TMAX0530A1R0M	1	12	13.5	9	11
TMAX0530A2R2M	2.2	25	29	6.5	9
TMAX0530A3R3M	3.3	33	38	5.5	8
TMAX0530A4R7M	4.7	51	60	4.5	6
TMAX0530A5R6M	5.6	85	94	3.2	5.8
TMAX0530A6R8M	6.8	80	90	3.5	4.5
TMAX0530A100M	10	110	125	3	4

TMAX0530B(5.5*5.3*3.0mm)

Pa r Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TMAX0530BR20M	0.2	2.1	2.31	21	22.2
TMAX0530BR35M	0.35	3.9	4.29	14.9	16.6
TMAX0530BR47M	0.47	6.5	7.15	11.5	12
TMAX0530BR75M	0.75	8.5	9.35	9.7	11.3
TMAX0530B1R0M	1	10.4	11.44	8.5	10.1
TMAX0530B1R5M	1.5	17.1	18.5	7	7.5
TMAX0530B2R2M	1.2	22.5	25	6.5	6.8
TMAX0530B3R3M	3.3	36.4	40.4	6	5.5
TMAX0530B4R7M	4.7	54	60	5.5	4.5
TMAX0530B5R6M	5.6	63	70.6	3.5	4.3
TMAX0530B100M	10	122.1	131.9	2.3	2.8
TMAX0530B150M	15	138.4	166.2	2.1	2.4
TMAX0530B220M	22	260	270	1.9	1.9

TMAX1040A(11.5*10.3*4.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TMAX1040AR15M	0.15	0.45	0.55	50	76
TMAX1040AR22M	0.22	0.8	1	35	60
TMAX1040AR36M	0.36	1.13	1.25	32	60
TMAX1040AR47M	0.47	1.5	1.7	30	40
TMAX1040AR56M	0.56	1.68	1.85	27	40
TMAX1040AR68M	0.68	2.17	2.4	24	39
TMAX1040A1R0M	1	2.7	3.3	19	36
TMAX1040A1R5M	1.5	3.8	4.2	17	26
TMAX1040A2R2M	2.2	6.8	8	12	18
TMAX1040A3R3M	3.3	10.5	11.8	10	16
TMAX1040A4R7M	4.7	15	19	9.5	14
TMAX1040A5R6M	5.6	19.8	23	14.1	8
TMAX1040A6R8M	6.8	22.5	25	8	12
TMAX1040A8R2M	8.2	24	26.5	9	7.6
TMAX1040A100M	10	24	30	7.8	8.5
TMAX1040A150M	15	37	45	6.5	7
TMAX1040A220M	22	55	66	5	6
TMAX1040A330M	33	78	92	4.4	5
TMAX1040A470M	47	126	145	3.3	4
TMAX1040A560M	56	159	182	3	3.8
TMAX1040A680M	68	166	195	2.5	3.5
TMAX1040A101M	100	305	350	2.2	3

TMAX1050A(11.5*10.3*5.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc	
		Typical	Max	Typical	Typical
TMAX1050A1R0M	1	2.15	2.4	25	35
TMAX1050A1R5M	1.5	2.6	3	20	20
TMAX1050A2R2M	2.2	3.9	4.25	15	18
TMAX1050A3R3M	3.3	8.15	9.45	13	18
TMAX1050A4R7M	4.7	11.85	13.63	12	23
TMAX1050A5R6M	5.6	11.9	13.7	11	17
TMAX1050A6R8M	6.8	16.85	19.38	9	15
TMAX1050A100M	10	22.06	25.37	7.3	12
TMAX1050A120M	12	23.45	26.75	7.5	11
TMAX1050A150M	15	30.85	35.48	6	8
TMAX1050A220M	22	48.75	56.06	5	6.8
TMAX1050A330M	33	64.31	73.95	4.2	5
TMAX1050A470M	47	92	106	4	4.5
TMAX1050A680M	68	152	175	2.3	4
TMAX1050A101M	100	205	225	2.8	3.2

TMAX1350A(13.8*12.9*5.0mm)

Pa r Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TMAX1350AR68M	0.68	1.3	1.55	33	46
TMAX1350A4R7M	4.7	8	9.5	13	18
TMAX1350A5R6M	5.6	10.5	12.5	12	17
TMAX1350A6R8M	6.8	14.5	18	11	16
TMAX1350A100M	10	19.5	22	9.5	13
TMAX1350A220M	22	48	56	6	7
TMAX1350A330M	33	58	68	5	6.5
TMAX1350A470M	47	82	95	4	5

TMAX1365A(13.8*12.9*6.5mm)

Pa r Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TMAX1365AR47M	0.47	1.1	1.3	40	55
TMAX1365AR82M	0.82	1.66	1.9	34	50
TMAX1365A1R0M	1	1.7	2.1	32	38
TMAX1365A1R5M	1.5	2.1	2.4	30	35
TMAX1365A2R2M	2.2	3.2	3.8	24	32
TMAX1365A3R3M	3.3	4.2	4.7	22	26
TMAX1365A4R7M	4.7	8.2	10	16	24
TMAX1365A5R6M	5.6	7.5	8.6	18	20
TMAX1365A6R8M	6.8	10	12	15	17
TMAX1365A100M	10	15.5	17.8	11	15.5
TMAX1365A150M	15	23.5	27	8	11
TMAX1365A220M	22	34.5	39.5	7	10
TMAX1365A330M	33	40	48	6	8
TMAX1365A470M	47	61.5	72	5	5.2
TMAX1365A680M	68	105	125	4	4.5
TMAX1365A101M	100	155	180	3.2	4



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TVAX0420A (4.75*4.45*2.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX0420A1R0M	1	20	26	5	8
TVAX0420A1R5M	1.5	38	46	5	7
TVAX0420A2R2M	2.2	45	58	4.5	6
TVAX0420A3R3M	3.3	76	87	3.2	5
TVAX0420A4R7M	4.7	92	105	3	4
TVAX0420A6R8M	6.8	125	150	2.5	3.8

TVAX0530A (5.7*5.4*3.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX0530A1R0M	1	12	13.5	9	12
TVAX0530A2R2M	2.2	25	29	6.5	10
TVAX0530A3R3M	3.3	33	38	5.5	9
TVAX0530A4R7M	4.7	51	60	4.5	7
TVAX0530A6R8M	6.8	80	90	3.5	5.5
TVAX0530A100M	10	110	125	3	5

TVAX0630A (7.4*6.8*3.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX0630AR22M	0.22	2.3	2.8	24	35
TVAX0630AR36M	0.36	2.3	2.55	25	32
TVAX0630AR47M	0.47	3.7	4.1	18	21
TVAX0630AR68M	0.68	5.35	5.7	15.5	18
TVAX0630AR82M	0.82	5.4	6	14	17
TVAX0630A1R0M	1	6.5	7.4	12	16
TVAX0630A1R5M	1.5	9.5	12.1	12	15
TVAX0630A2R2M	2.2	12.8	15	9.5	11
TVAX0630A3R3M	3.3	18	22	8.5	10.5
TVAX0630A4R7M	4.7	30.5	35	5.8	7.5
TVAX0630A6R8M	6.8	43	48	5	7
TVAX0630A100M	10	62	69	4.5	6
TVAX0630A220M	22	160	185	2.7	4.2

TVAX1040A(11.5*10.3*4.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX1040AR22M	0.22	0.8	1	35	60
TVAX1040AR36M	0.36	1.13	1.25	32	60
TVAX1040AR47M	0.47	1.5	1.7	30	40
TVAX1040AR56M	0.56	1.68	1.85	27	40
TVAX1040A1R0M	1	3	4	19	28
TVAX1040A1R5M	1.5	3.8	4.2	17	26
TVAX1040A2R2M	2.2	6.8	8	12	18
TVAX1040A3R3M	3.3	10.5	11.8	10	16
TVAX1040A4R7M	4.7	15	19	9.5	14
TVAX1040A6R8M	6.8	22.5	25	8	12
TVAX1040A100M	10	25	30	7.8	8.5

TVAX1040A(11.5*10.3*4.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX1040AR22M5	0.22	0.8	1	35	60
TVAX1040A1R0M5	1	3	4	19	28
TVAX1040A2R2M5	2.2	6.8	8	12	18
TVAX1040A3R3M5	3.3	10.5	11.8	10	16
TVAX1040A4R7M5	4.7	15	19	9.5	14
TVAX1040A6R8M5	6.8	22.5	25	8	12
TVAX1040A100M5	10	25	30	7.8	8.5

TVAX1050A(11.5*10.3*5.0mm)

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX1050A1R0M	1	2.15	2.4	28	40
TVAX1050A2R2M	2.2	3.9	4.25	18.5	20
TVAX1050A4R7M	4.7	11.9	13.6	12	23
TVAX1050A5R6M	5.6	11.9	13.7	11	17
TVAX1050A6R8M	6.8	16.8	19.4	9	15
TVAX1050A100M	10	22.1	25.4	7.3	12
TVAX1050A120M	12	23.5	26.8	7.5	11
TVAX1050A150M	15	30.9	35.5	6	8
TVAX1050A220M	22	48.8	56.1	5	6.8

TVAX1350A(13.8*12.9*5.0mm

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX1350AR68M	0.68	1.3	1.55	35	46
TVAX1350A4R7M	4.7	1.13	9.5	13	18
TVAX1350A6R8M	6.8	1.5	18	11.5	16
TVAX1350A100M	10	1.68	22	9	13
TVAX1350A220M	22	48	56	5.5	7

TVAX1365A(13.8*12.9*6.5mm

Par Number	L0 Inductance μH	DCR (mΩ)		Idc (A)	Isat (A)
		Typical	Max	Typical	Typical
TVAX1365A1R0M	1	1.7	2.1	32	38
TVAX1365A1R5M	1.5	2.1	2.4	30	35
TVAX1365A2R2M	2.2	3.2	3.8	24	32
TVAX1365A3R3M	3.3	4.2	4.7	22	26
TVAX1365A4R7M	4.7	8.2	10	16	24
TVAX1365A6R8M	6.8	10	12	15	17
TVAX1365A8R2M	8.2	12.8	15	12	17
TVAX1365A100M	10	17	20.5	10.5	13.5
TVAX1365A220M	22	34.5	39.5	7	10