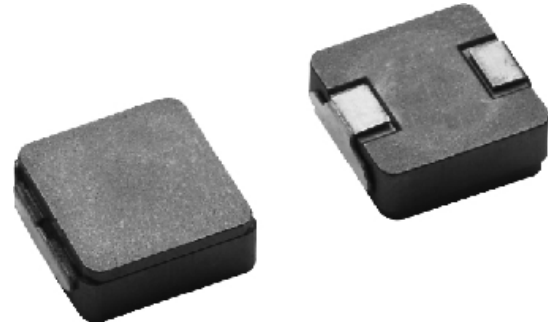




XI'AN VAW ELECTRONICS CO.,LTD

FEATURES

- Operating temperature range - 55°C to + 200°C.
- Shielded construction
- Frequency range up to 1.0 MHz
- Lowest DCR/ μ H, in this package size
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Excellent temperature stability for inductance and saturation
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to **IEC 61249-2-21 definition**



APPLICATIONS

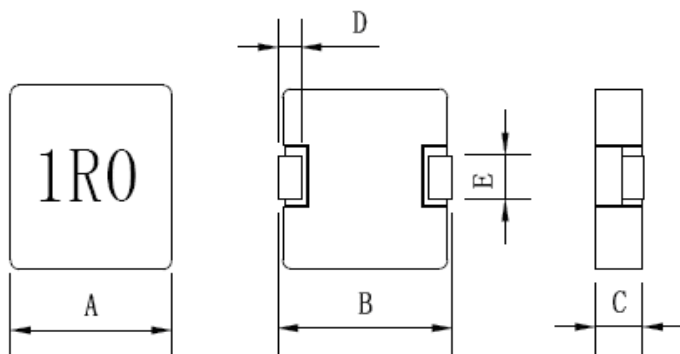
- Logging while drilling
- Measuring while drilling (down-hole applications)
- Other harsh environments
- Used as military and industrial devices
- Designed for use in high temperature Environments
- PDA/notebook/desktop/server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for Field Programmable Gate Array (FPGA)



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0420M Series



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LX0420-1R0M	4.06±0.254	4.45±0.254	2.0MAX	0.76±0.3	2.0±0.2
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX0420-R10M	0.1	12.0	22.0	3.5	4.0
LX0420-R22M	0.22	9.0	12.5	6.0	6.6
LX0420-R47M	0.47	7.0	9.5	21.0	25.0
LX0420-R56M	0.56	6.5	10.0	23.0	27.0
LX0420-R68M	0.68	5.2	8.0	27.0	29
LX0420-1R0M	1.0	4.5	7.0	28.0	30.0
LX0420-1R2M	1.2	4.5	7.0	28.0	30.0
LX0420-1R5M	1.5	4.0	6.0	38.0	46.0
LX0420-2R2M	2.2	3.0	5.0	52	58
LX0420-3R3M	3.3	2.5	4.0	74.0	87.0
LX0420-4R7M	4.7	2.2	3.0	92	105.0

*: you require another part number please contact with us.

**: Inductance Tolerance ± 20%

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

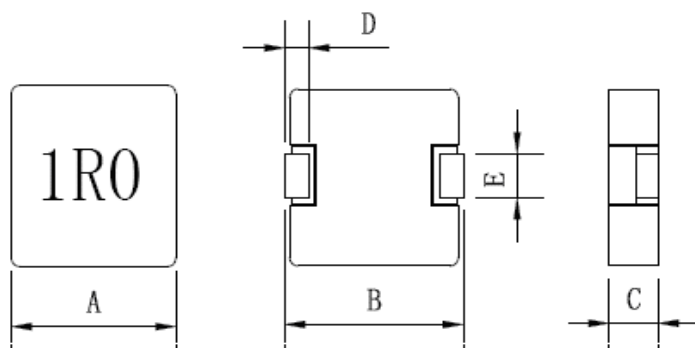
Note 4: Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0520M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0520-1R0M	5.18±0.254	5.49±0.254	2.0MAX	1.2±0.3	2.3±0.2
Part Number	LO Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR MΩ TYPICAL 25 °C	DCR mΩ MAX 25 °C
LX0520-R10M	0.1	21.0	25.0	2.7	2.9
LX0520-R22M	0.22	13.0	17.0	4.1	4.5
LX0520-R33M	0.33	7.5	13	5.5	5.9
LX0520-R47M	0.47	8.0	12.5	7.1	7.7
LX0520-1R0M	1	7.0	7.5	16.8	18.1
LX0520-2R2M	2.2	5.0	5.5	34.9	37.7
LX0520-3R3M	3.3	4.1	4.7	58.5	68.0
LX0520-4R7M	4.7	3.0	3.2	75.3	81.3
LX0520-5R6M	5.6	2.2	3.0	85.2	92.0
LX0520-6R8M	6.8	2.1	2.8	114	121.0
LX0520-100M	10.0	2.0	2.2	200.0	220.0

*: you require another part number please contact with us.

** : Inductance Tolerance ± 20%

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

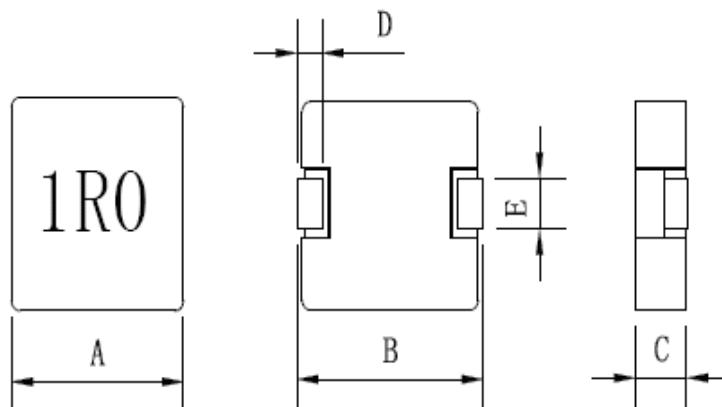
Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 4: Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS: LX0530M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0530-1R0M	5.18 ± 0.25 4	5.49 ± 0.25 4	3.0MAX	1.2 ± 0.3	2.3 ± 0.2
Part Number	LO Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX0530-R68M	0.68	8.5	14.0	11	12.0
LX0530-1R0M	1	7	11.0	13	14.0
LX0530-1R2M	1.2	6.5	11.0	15	16.0
LX0530-1R5M	1.5	6	10.0	20	25.0
LX0530-2R2M	2.2	5.5	9.0	29	35.0
LX0530-3R3M	3.3	5.0	7.0	32	38.0
LX0530-4R7M	4.7	3.0	5.0	50	60

*: you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

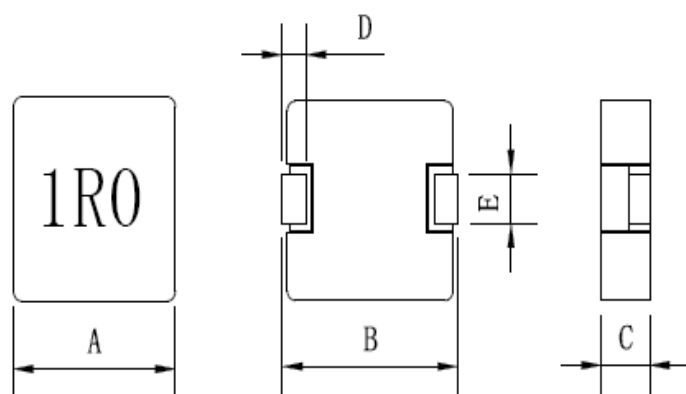
Note 4: Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0612M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0612-1R0M	6.6 ± 0.2	7.4MAX	1.2MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	L0 Inductance (μ H) $\pm 20\%$	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A	DCR M Ω TYPICAL 25 ° C	DCR m Ω MAX 25 ° C
LX0612-R56M	0.56	7.0	11.0	13.5	15.5
LX0612-R68M	0.68	6.5	9.0	30.0	33.5
LX0612-R82M	0.82	6.0	8.0	32.0	35.0
LX0612-1R0M	1.0	6.0	7.0	32.0	35.0
LX0612-2R2M	2.2	3.5	5.0	64.0	67.0
LX0612-3R3M	3.3	3.0	4.0	80	92.0
LX0612-4R7M	4.7	2.5	3.5	120.0	130.0
LX0612-100M	10.0	2.0	2.2	250.0	290.0

* : you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

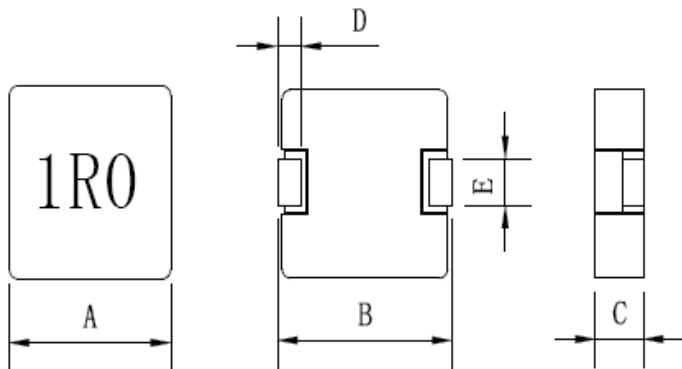
Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:			LX0618M Series		
<div></div>					
Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0618-1R0M	6.6 ± 0.2	7.4MAX	1.8MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX0618-R10M	0.1	16.0	30.0	2.0	2.5
LX0618-R33M	0.33	10.0	20.0	5.2	6.8
LX0618-R47M	0.47	9.0	15.0	7.3	8.4
LX0618-R68M	0.68	7.5	14.0	10.8	12.7
LX0618-1R0M	1.0	6.5	10.0	23.0	27.0
LX0618-2R2M	2.2	5.0	8.0	44.0	48.0
LX0618-3R3M	3.3	3.5	7.5	76.0	80.0
LX0618-4R7M	4.7	2.5	4.0	95.0	103.0
LX0618-6R8M	6.8	1.8	3.0	120.0	130.0

*: you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate ΔT of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30.

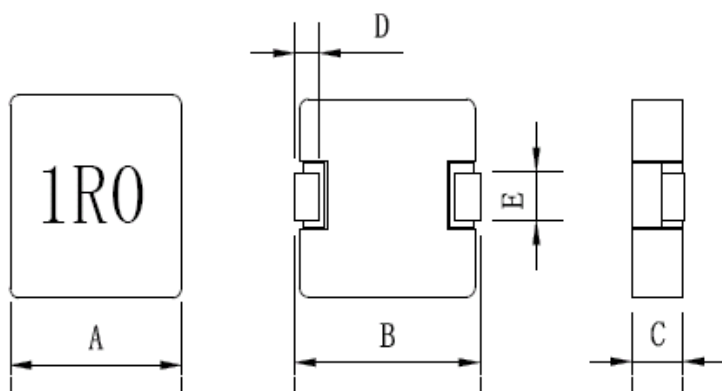
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0624M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0624-1R0M	6.6 ± 0.2	7.4MAX	2.4MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	LO Inductance (μ H) $\pm 20\%$	Heat Rating CurrentDC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR $M\Omega$ TYPICAL 25 $^{\circ}$ C	DCR $m\Omega$ MAX 25 $^{\circ}$ C
LX0624-R47M	0.47	14.0	19.0	5.3	6.5
LX0624-R68M	0.68	11.5	18.0	7.9	9.4
LX0624-R82M	0.82	10.5	16.0	9.6	11.8
LX0624-1R0M	1.0	10.0	15.0	12.5	14.2
LX0624-1R5M	1.5	8.0	13.0	17.6	21.2
LX0624-2R2M	2.2	7.0	12.0	28.0	34.0
LX0624-3R3M	3.3	5.5	9.0	45.0	51.6
LX0624-4R7M	4.7	5.0	7.5	57.0	63.0
LX0624-6R8M	6.8	4.0	6.0	83.0	95.0
LX0624-8R2M	8.2	3.5	5.0	94.0	106.0
LX0624-100M	10.0	3.1	4.0	108.0	129.0

* : you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25 $^{\circ}$ C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40 $^{\circ}$ C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

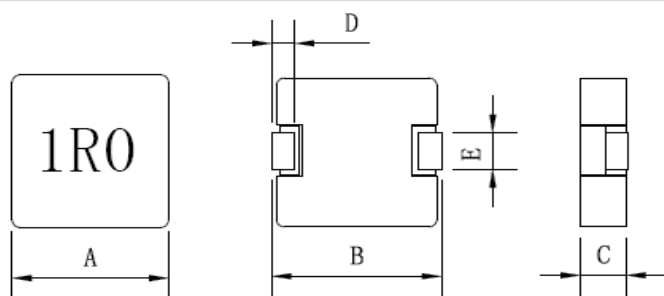
Note 4 : Operating temperature range - 55 $^{\circ}$ C to + 200 $^{\circ}$ C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0630M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0630-1R0M-G/B	6.6 ± 0.2	7.4MAX	3.0MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX0630-R10M	0.1	28	40	1.8	2.2
LX0630-R20M	0.2	24.0	34.0	2.4	3.0
LX0630-R33M	0.33	21.0	25.0	3.0	3.5
LX0630-R47M	0.47	18	20.0	3.4	4.1
LX0630-R68M	0.68	16.0	17.0	4.8	5.3
LX0630-R82M	0.82	14.0	16.0	5.4	6.0
LX0630-1R0M	1.0	12.0	15.0	8.4	9.2
LX0630-1R5M	1.5	10.0	14.0	10.6	12.1
LX0630-2R2M	2.2	8.0	10.0	13.5	15.0
LX0630-3R3M	3.3	6.5	9.5	18.0	22.0
LX0630-4R7M	4.7	5.5	6.5	28.0	38.0
LX0630-5R6M	5.6	5.5	6.0	39.0	46.0
LX0630-6R8M	6.8	4.5	6.0	43.9	50.0
LX0630-8R2M	8.2	4.0	6.0	54.0	60.0
LX0630-100M	10.0	3.5	5.5	62.0	68.0
LX0630-150M	15.0	3.0	4.0	90.0	95.0
LX0630-220M	22.0	2.5	3.0	125.0	135.0

*: you require another part number please contact with us.

**: Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate ΔT of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%.

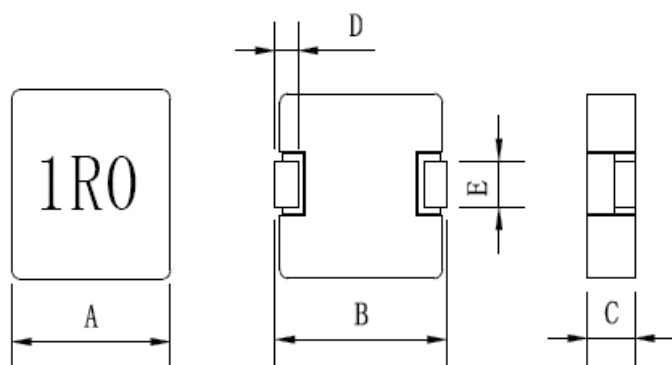
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0640M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0640-1R0M	6.6 ± 0.2	7.4MAX	4.0MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	L0 Inductance (μH) ± 20%	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX0640-R47M	0.47	20	22.0	3.2	3.6
LX0640-R68M	0.68	18.0	20.0	4.3	5.0
LX0640-R82M	0.82	16.0	18.0	6.4	7.0
LX0640-1R0M	1.0	13.0	17.0	7.2	8.4
LX0640-1R5M	1.5	11.0	15.0	8.3	9.7
LX0640-2R2M	2.2	9.0	12.0	13.0	17.0
LX0640-3R3M	3.3	8.0	11.0	19.1	25.0
LX0640-4R7M	4.7	6.5	9.0	27.5	35.0
LX0640-6R8M	6.8	5.5	8.0	36.0	45.0
LX0640-8R2M	8.2	5.0	7.0	44.0	50.0
LX0640-100M	10.0	4	6.0	50.0	58.0

** : you require another part number please contact with us.

** : Inductance Tolerance ± 20%

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate^Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%.

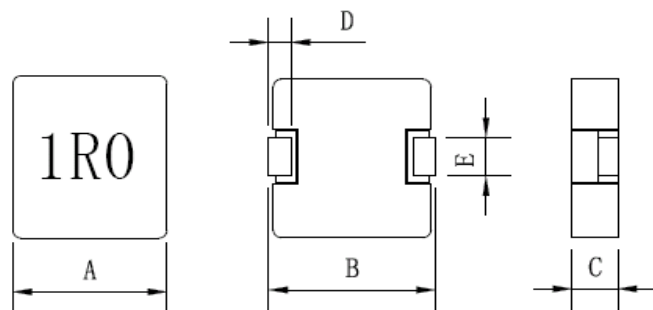
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX0650M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX0650-1R0M	6.6 ± 0.2	7.3MAX	5.0MAX	1.5 ± 0.5	3.0 ± 0.2
Part Number	LO Inductance (μ H) $\pm 20\%$	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR M Ω TYPICAL 25 ° C	DCR m Ω MAX 25 ° C
LX0650-R13M	0.13	42.0	48.0	1.0	1.4
LX0650-R22M	0.22	30.0	35.0	1.6	2.2
LX0650-R36M	0.36	21.0	25.0	2.7	3.1
LX0650-R47M	0.47	20.0	24.0	3.1	3.5
LX0650-R56M	0.56	18	22.0	3.4	3.6
LX0650-R68M	0.68	16.0	18.0	3.9	4.2
LX0650-R82M	0.82	16.5	19.5	4.6	4.9
LX0650-1R0M	1.0	14.0	18.0	5.6	6.5
LX0650-1R5M	1.5	12.0	15.5	6.0	7.5
LX0650-2R2M	2.2	10.0	14.0	11.2	12.5
LX0650-3R3M	3.3	8.5	12.0	19.9	20.9
LX0650-4R7M	4.7	7.0	10.0	23.0	25.0
LX0650-6R8M	6.8	6.0	9.0	36.5	41.0
LX0650-8R2M	8.2	5.5	7.5	40.0	43.0
LX0650-100M	10.0	4.5	6.5	48.0	55.0
LX0650-330M	33.0	3.0	4.0	150.0	180.0
LX0650-470M	47.0	2.2	3.5	200.0	230.0
LX0650-560M	56.0	1.8	3.0	245.0	280.0

*: you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

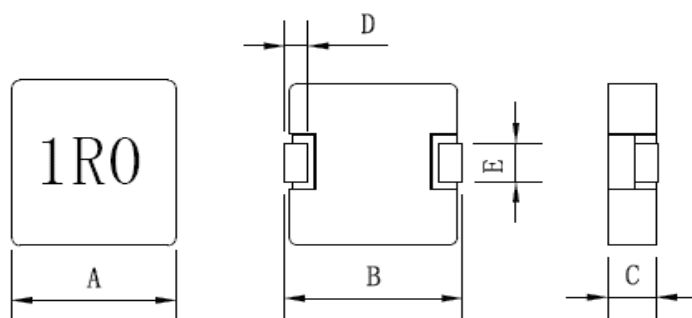
Note 4 : Operating temperature range - 55°C to + 200°C.



XIAN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1040M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX1040-1R0M	10.3 ± 0.2	10.5 ± 1.0	4.0MAX	2.0 ± 0.5	3.0 ± 0.3
Part Number	LO Inductance (μ H) $\pm 20\%$	Heat Rating Current DC Amps.IDC (A)	Saturation Current Part Number DC Amps. Isat (A)	DCR $m\Omega$ TYPICAL 25 ° C	DCR $m\Omega$ MAX 25 ° C
LX1040-R22M	0.22	35.0	60.0	1.2	1.5
LX1040-R36M	0.36	30.0	50.0	1.7	1.9
LX1040-R47M	0.47	30	40.0	1.9	2.2
LX1040-R56M	0.56	25	33.0	2.1	2.4
LX1040-R68M	0.68	23.0	30.0	2.3	3.0
LX1040-R82M	0.82	20.0	29.0	3.1	3.5
LX1040-1R0M	1.0	18	28.0	3.0	4.0
LX1040-1R5M	1.5	16.0	23.0	4.8	5.4
LX1040-2R2M	2.2	12.0	18.0	7.2	9.0
LX1040-3R3M	3.3	10.0	16.0	10.8	11.8
LX1040-4R7M	4.7	8.5	15.0	17.0	20.0
LX1040-5R6M	5.6	8.0	14.0	20.0	23.0
LX1040-6R8M	6.8	7.0	12.0	22.5	25.0
LX1040-8R2M	8.2	6.0	9.0	30.0	32.0
LX1040-100M	10.0	5.5	8.5	34	37.0
LX1045-150M	15.0	5.0	7.0	50	55.0
LX1045-220M	22.0	4.0	5.5	60	66.0
LX1045-101M	100.0	1.2	2.5	268	290.0

*: you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

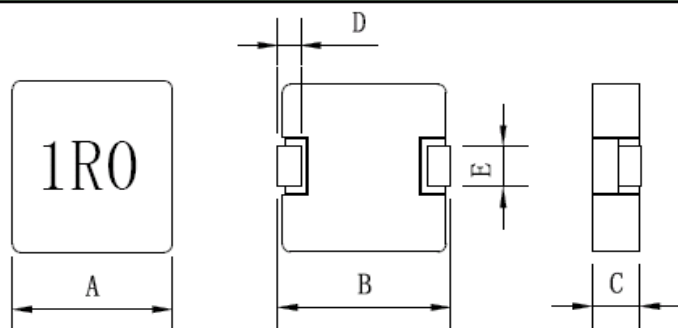
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1050M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX1050-1R0M	10.3 ± 0.2	10.5 ± 1.0	5.0MAX	2.0 ± 0.5	3.0 ± 0.3
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps. IDC (A)	Saturation Current Part Number DC Amps. Isat (A)	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX1050-R82M	0.82	22.0	39.0	2.5	3.2
LX1050-1R0M	1.0	17.5	32.0	2.8	3.5
LX1050-1R2M	1.2	19.5	29.0	2.8	3.5
LX1050-1R5M	1.5	15.0	27.5	3.9	4.8
LX1050-2R2M	2.2	12.0	21.5	6.5	8.2
LX1050-3R3M	3.3	10.0	18.6	9.2	10.8
LX1050-4R7M	4.7	9.5	16.5	12.4	15
LX1050-5R6M	5.6	8.5	15	18.9	20.0
LX1050-6R8M	6.8	8.0	14	20.6	24.0
LX1050-8R2M	8.2	7.0	12.5	27.4	30.0
LX1050-100M	10.0	6.8	11.5	30.2	35.0
LX1050-150M	15.0	5.0	9.0	48.0	52.8
LX1050-220M	22.0	4.5	8.0	50.0	58.0
LX1050-330M	33.0	3.5	6.5	89.0	105.0
LX1050-470M	47.0	3.0	5.0	110.0	130.0
LX1050-680M	68.0	2.0	3.0	171.0	190.0

* : you require another part number please contact with us.

** : Inductance Tolerance ± 20%

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

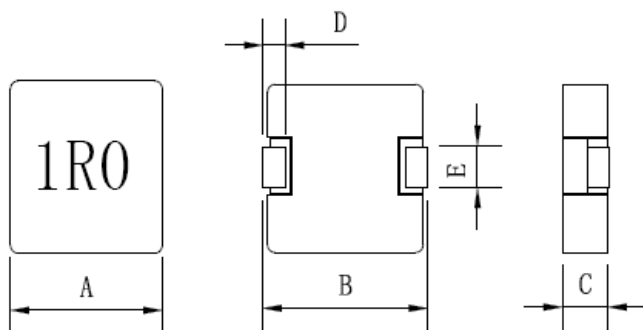
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1250M Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
LX1250-1R0M	12.8 ± 0.5	13.2 ± 1.0	5.0MAX	2.5 ± 0.5	3.8 ± 0.2
Part Number	L0 Inductance (μ H) $\pm 20\%$	Heat Rating Current DC Amps.IDC (A)	Saturation Current Part Number DC Amps. Isat (A)	DCR M Ω TYPICAL 25 ° C	DCR m Ω MAX 25 ° C
LX1250-R36M	0.36	41.0	50.0	0.77	1.1
LX1250-R47M	0.47	39.0	45.0	1.1	1.3
LX1250-R56M	0.56	36.0	40.0	1.2	1.5
LX1250-R68M	0.68	34.0	38.0	1.5	1.7
LX1250-R82M	0.82	26.0	35.0	1.8	2.1
LX1250-1R0M	1.0	23.0	32.0	2.1	2.5
LX1250-1R2M	1.2	20.0	30.0	2.6	3.0
LX1250-1R5M	1.5	18.0	27.0	3.4	4.1
LX1250-2R2M	2.2	16.0	25.0	4.6	5.5
LX1250-3R3M	3.3	15.0	24.0	7.7	9.2
LX1250-4R7M	4.7	11.0	21.0	12.8	15.0
LX1250-5R6M	5.6	9.5	18.0	14.3	16.4
LX1250-6R8M	6.8	8.5	15.0	15.4	18.5
LX1250-8R2M	8.2	8.0	13.0	18.9	24.0
LX1250-100M	10.0	7.5	12.5	20.0	25.5

* : you require another part number please contact with us.

** : Inductance Tolerance $\pm 20\%$

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

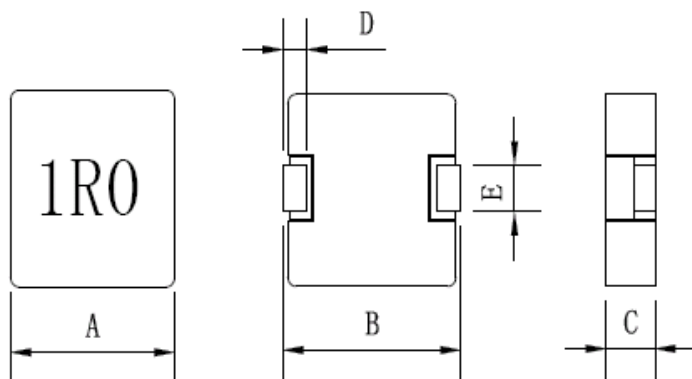
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1260M Series



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LX1260-1R0M	12.8±0.5	13.2±1.0	6.0MAX	2.5±0.5	3.8±0.2
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC (A)	Saturation Current Part Number DC Amps. Isat	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX1260-4R7M	4.7	13.0	22.5	8.5	13.0
LX1260-5R6M	5.6	12.5	20.0	10.5	15.0
LX1260-6R8M	6.8	11.5	18.5	11.0	14.0
LX1260-8R2M	8.2	10	16.5	13.6	16.0
LX1265-100M	10.0	9.0	16.0	18.0	20.7
LX1265-150M	15.0	8.0	12.0	29.0	34.0
LX1265-220M	22.0	6.0	10.0	34.0	39.5
LX1265-330M	33.0	4.5	7.5	65.0	75.0
LX1265-470M	47.0	4.0	6.0	80.0	90.0
LX1265-680M	68.0	3.0	4.5	120.0	140.0

*: you require another part number please contact with us.

** : Inductance Tolerance ± 20%

Note 1 : All test data is referenced to 25°C ambient.

Note 2 : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3 : Isat : DC current (A) that will cause Lo to drop approximately 30%

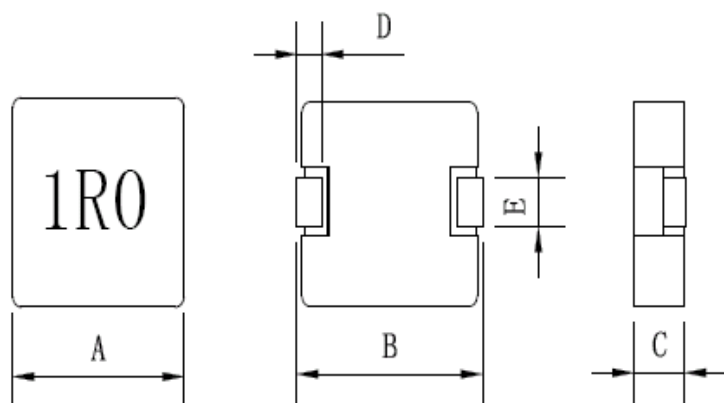
Note 4 : Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1270M Series



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LX1270-1R0M	12.8±0.5	13.2±1.0	7.0MAX	2.5±0.5	3.8±0.2
Part Number	L0 Inductance (μH) ±20%	Heat Rating CurrentDC Amps.IDC (A)	Saturation Current Part Number DC Amps. Isat	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX1270-820M	82.0	2.0	5.0	104.0	125.0
LX1270-101M	100.0	1.8	3.5	111.5	140.0
LX1270-221M	220.0	1.2	2.5	365.0	380.0

*: you require another part number please contact with us.

**: Inductance Tolerance ± 20%

Note 1: All test data is referenced to 25°C ambient.

Note 2: Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3: Isat : DC current (A) that will cause Lo to drop approximately 30%

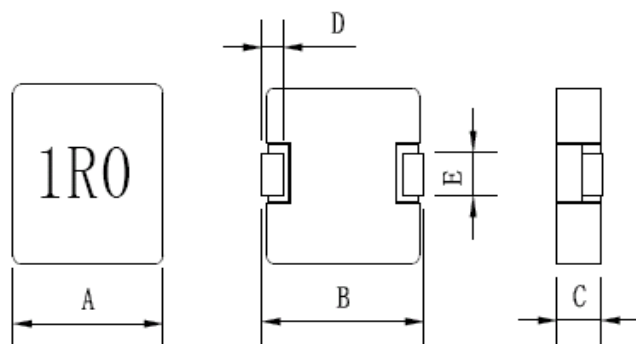
Note 4: Operating temperature range - 55°C to + 200°C.



XI'AN VAW ELECTRONICS CO.,LTD

SMD POWER INDUCTORS:

LX1770M Series



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
LX1770-1R0M	17.5±0.5	17.15MAX	7.0MAX	2.5±0.5	11.94±0.3
Part Number	L0 Inductance (μH) ±20%	Heat Rating Current DC Amps.IDC (A)	Saturation Current Part Number DC Amps.	DCR MΩ TYPICAL 25 ° C	DCR mΩ MAX 25 ° C
LX1270-1R5M	1.5	40.0	40.0	1.85	2.15
LX1770-2R2M	2.2	34.0	37.0	2.15	2.5
LX1770-4R7M	4.7	24.0	27.0	4.12	4.7
LX1770-6R8M	6.8	20.0	22.0	6.55	7.55
LX1770-8R2M	8.2	16.0	20.0	8.1	8.7
LX1770-100M	10.0	14.0	18.0	9.3	10.0
LX1770-150M	15.0	12.0	13.0	14.5	15.5
LX1770-220M	22.0	9.5	11.0	20.5	23.0
LX1770-330M	33.0	9.0	10.0	35.1	37.0
LX1770-470M	47.0	6.8	7.5	41	47.0
LX1770-680M	68.0	5.2	6.5	74.0	85.0

*: you require another part number please contact with us.

**: Inductance Tolerance ± 20%

Note 1: All test data is referenced to 25°C ambient.

Note 2: Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 3: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 4: Operating temperature range - 55°C to + 200°C.