



SMD - Molding Power Inductor Series

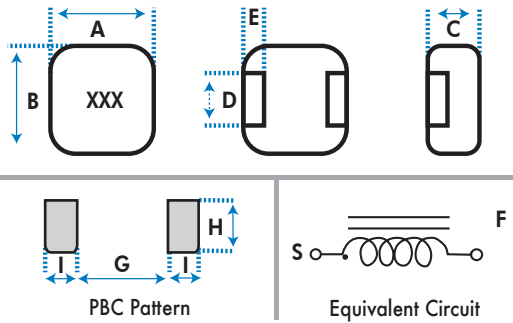
LIST OF THE MOLDING POWER INDUCTOR SERIES

FAMILY	A	B	C	I _{rms} (A) Min	I _{rms} (A) Max	L ₀ Min	L ₀ Max	PAGE
ERS0420T	4.5±0.3	4.06±0.3	2.0 Max	1.80	18.00	0.10	10.00	1
ERS0420H	4.5±0.3	4.06±0.3	2.0 Max	1.80	13.00	0.10	10.00	2
ERS0430T	4.5±0.3	4.06±0.3	3.0 Max	2.50	7.10	1.00	10.00	3
ERS0515T	5.5±0.3	5.18±0.3	1.5 Max	2.30	16.00	0.15	10.00	4
ERS0515H	5.5±0.3	5.18±0.3	1.5 Max	1.50	9.00	0.47	10.00	5
ERS0518H	5.5±0.3	5.18±0.3	1.8 Max	2.50	7.00	1.00	4.70	6
ERS0518T	5.5±0.3	5.18±0.3	1.8 Max	3.50	16.00	0.22	4.70	7
ERS0520T	5.5±0.3	5.18±0.3	2.0 Max	2.00	20.00	0.10	10.00	8
ERS0520H	5.5±0.3	5.18±0.3	2.0 Max	1.80	15.00	0.10	10.00	9
ERS0530H	5.5±0.3	5.18±0.3	3.0 Max	2.00	22.00	0.10	10.00	10
ERS0530T	5.5±0.3	5.18±0.3	3.0 Max	1.60	23.00	0.10	33.00	11
ERS0618T	7.4 Max	6.6±0.2	1.8 Max	4.00	18.00	0.10	10.00	12
ERS0620H	7.4 Max	6.6±0.2	2.0 Max	2.50	15.00	0.10	6.80	13
ERS0620T	7.4 Max	6.6±0.2	2.0 Max	3.00	21.00	0.10	10.00	14
ERS0624T	7.4 Max	6.6±0.2	2.4 Max	3.50	30.00	0.10	10.00	15
ERS0624	7.4 Max	6.6±0.2	2.4 Max	2.50	20.00	0.10	10.00	16
ERS0624H	7.4 Max	6.6±0.2	2.4 Max	2.50	18.00	0.10	10.00	17
ERS0630	7.4 Max	6.6±0.2	3.0 Max	2.00	20.00	0.10	33.00	18
ERS0630T	7.4 Max	6.6±0.2	3.0 Max	2.50	30.00	0.10	22.00	19
ERS0630H	7.4 Max	6.6±0.2	3.0 Max	3.00	35.00	0.10	15.00	20-21
ERS0640H	7.4 Max	6.6±0.2	4.0 Max	3.00	12.00	1.00	15.00	22
ERS0640	7.4 Max	6.6±0.2	4.0 Max	2.00	19.00	0.22	33.00	23
ERS0640T	7.4 Max	6.6±0.2	4.0 Max	3.50	40.00	0.15	22.00	24
ERS0650T	7.6 Max	6.6±0.2	5.0 Max	2.50	22.00	0.47	47.00	25
ERS0650	7.6 Max	6.6±0.2	5.0 Max	1.20	35.00	0.10	100.00	26-27
ERS0650H	7.6 Max	6.6±0.2	5.0 Max	2.50	20.00	0.50	33.00	28
ERS0754T	8.5 Max	7.0±0.3	5.4 Max	2.30	17.00	1.50	68.00	29
ERS0750T	8.5 Max	7.0±0.3	5.0 Max	10.40	13.00	1.50	3.30	30
ERS0830	9.2Max	8.0±0.3	3.0 Max	2.50	11.00	1.00	22.00	31

LIST OF THE MOLDING POWER INDUCTOR SERIES

FAMILY	A	B	C	Irms (A) Min	Irms (A) Max	L0 Min	L0 Max	PAGE
ERS0830T	9.2 Max	8.00±0.3	3.0 Max	3.00	30.00	0.22	33.00	32
ERS0830H	9.2 Max	8.00±0.3	3.0 Max	2.50	36.00	0.22	22.00	33
ERS0840	9.2 Max	8.00±0.3	4.0 Max	2.00	25.00	0.22	47.00	34
ERS0840T	9.2 Max	8.00±0.3	4.0 Max	3.00	34.00	0.22	47.00	35
ERS0840H	9.2 Max	8.00±0.3	4.0 Max	15.00	40.00	0.10	47.00	36
ERS0850H	9.2 Max	8.00±0.3	5.0 Max	4.00	18.00	1.00	33.00	37
ERS0850T	9.2 Max	8.00±0.3	5.0 Max	3.00	45.00	0.15	53.00	38
ERS0850P	9.2 Max	8.00±0.3	5.0 Max	1.20	20.00	0.22	150.00	39
ERS090830T	9.7±0.5	8.5 Max	3.0 Max	3.80	28.00	0.22	15.00	40
ERS090840T	9.7±0.5	8.5 Max	4.0 Max	5.00	22.50	0.22	15.00	41
ERS1030	10.5±1	10.30±0.3	3.0 Max	4.00	40.00	0.12	10.00	42
ERS1030T	10.5±1	10.30±0.3	3.0 Max	7.00	25.00	0.36	6.80	43
ERS1040	10.5±1	10.30±0.3	4.0 Max	2.00	40.00	0.15	47.00	44
ERS1045	10.5±1	10.30±0.3	4.5 Max	1.50	6.00	10.00	100.00	45
ERS1040H	10.5±1	10.30±0.3	4.0 Max	4.00	45.00	0.15	33.00	46-47
ERS1040T	10.5±1	10.30±0.3	4.0 Max	3.60	40.00	0.19	47.00	48-49
ERS1050	10.5±1	10.30±0.3	5.0 Max	1.50	36.00	0.36	200.00	50-51
ERS1050H	10.5±1	10.30±0.3	5.0 Max	3.20	46.00	0.15	68.00	53
ERS1060	10.5±1	10.30±0.3	6.0 Max	6.00	20.00	2.20	22.00	54
ERS1080T/H	10.5±1	10.30±0.3	8.0 Max	5.00	18.00	2.20	47.00	55
ERS105840T	10.2±0.3	5.6±0.2	4.0 Max	24.00	45.00	0.10	0.36	56
ERS105840H/T	11.05±0.55	8.05 Max	4.0 Max	20.00	41.00	0.15	0.68	57
ERS108050H/T	11.05±0.55	8.05 Max	5.0 Max	12.00	45.00	0.15	1.00	58
ERS1235T	13.2±1.0	12.6±0.3	3.5 Max	7.00	48.00	0.10	10.00	59
ERS1235H	13.2±1.0	12.6±0.3	3.5 Max	7.00	25.00	0.68	6.80	60
ERS1235	13.2±1.0	12.6±0.3	3.5 Max	3.00	25.00	0.22	10.00	61
ERS1240	13.2±1.0	12.6±0.3	4.0 Max	4.00	32.00	0.22	10.00	62
ERS1240H	13.2±1.0	12.6±0.3	4.0 Max	9.00	40.00	0.22	6.80	63
ERS1250	13.2±1.0	12.6±0.3	5.0 Max	2.50	40.00	0.33	68.00	64-65

MOLDING POWER INDUCTOR: ERS0420T



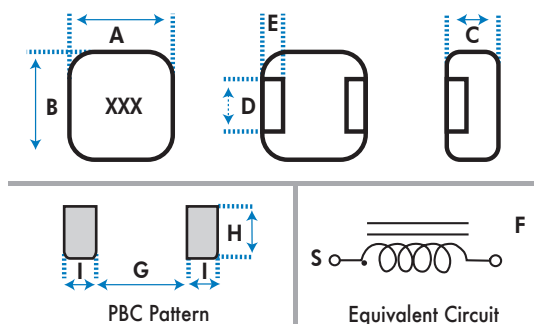
	UNIT mm
A	4.5±0.3
B	4.06±0.3
C	2.0 Max
D	1.5±0.3 2.0±0.3

	UNIT mm
E	1.0±0.3
G	2.0 (REF)
H	2.2 (REF)
I	1.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0420T_R10M	0.10	18.0	35.0	3.50	4.20
ERS0420T_R15M	0.15	15.0	28.0	3.70	4.50
ERS0420T_R22M	0.22	12.0	23.0	5.10	6.00
ERS0420T_R33M	0.33	10.0	17.0	8.30	9.80
ERS0420T_R47M	0.47	9.0	15.0	12.80	16.00
ERS0420T_R56M	0.56	8.0	13.0	13.00	16.00
ERS0420T_R68M	0.68	7.0	12.0	16.00	19.00
ERS0420T_1R0M	1.00	6.0	10.0	23.50	28.00
ERS0420T_1R2M	1.20	5.0	9.0	33.00	39.60
ERS0420T_1R5M	1.50	4.5	8.0	35.00	42.00
ERS0420T_2R2M	2.20	4.0	7.0	53.00	60.00
ERS0420T_3R3M	3.30	3.5	6.0	86.00	96.00
ERS0420T_4R7M	4.70	3.0	5.0	112.00	125.00
ERS0420T_5R6M	5.60	2.8	4.5	146.00	173.00
ERS0420T_6R8M	6.80	2.5	4.0	165.00	185.00
ERS0420T_8R2M	8.20	2.0	3.5	264.00	290.00
ERS0420T_100M	10.00	1.8	3.0	285.00	310.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0420H



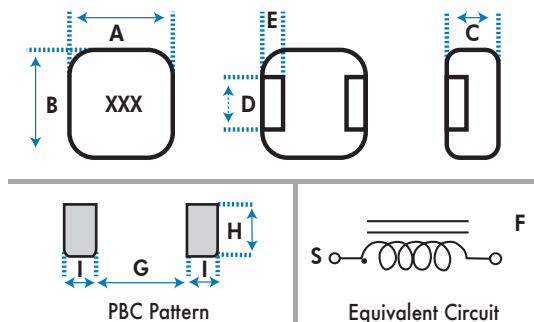
	UNIT mm
A	4.5±0.3
B	4.06±0.3
C	2.0 Max
D	1.5±0.3 2.0±0.3

	UNIT mm
E	1.0±0.3
G	2.0 (REF)
H	2.2 (REF)
I	1.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0420H_R10M	0.10	13.0	22.0	3.50	4.00
ERS0420H_R22M	0.22	10.0	16.0	6.00	7.50
ERS0420H_R33M	0.33	9.0	12.0	8.80	10.60
ERS0420H_R47M	0.47	7.0	10.0	10.40	13.00
ERS0420H_R68M	0.68	5.5	8.0	19.00	21.00
ERS0420H_1R0M	1.00	4.5	7.0	23.00	27.00
ERS0420H_1R5M	1.50	4.0	6.0	33.00	39.00
ERS0420H_2R2M	2.20	3.0	5.0	53.50	60.00
ERS0420H_3R3M	3.30	2.8	4.0	72.00	80.00
ERS0420H_4R7M	4.70	2.5	3.5	110.00	120.00
ERS0420H_5R6M	5.60	2.0	3.3	128.00	140.00
ERS0420H_6R8M	6.80	1.8	3.0	170.00	185.00
ERS0420H_100M_2.5A	10.00	1.6	2.5	252.00	270.00
ERS0420H_R10M	0.10	20.0	20.0	3.00	4.00
ERS0420H_1R0M	1.00	6.0	6.0	18.00	21.00
ERS0420H_2R2M	2.20	4.5	4.5	45.00	53.00
ERS0420H_3R3M	3.30	3.5	3.5	59.00	67.00
ERS0420H_4R7M	4.70	3.0	3.0	99.00	110.00
ERS0420H_100M_2.3A	10.00	2.3	2.3	235.00	253.00
ERS0420H_100M_2.2A	10.00	1.8	2.2	250.00	258.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0515T



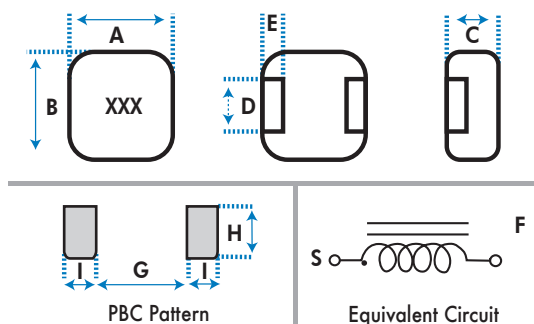
	UNIT mm
A	5.5±0.3
B	5.18±0.3
C	1.5 Max
D	2.0±0.3

	UNIT mm
E	1.2±0.3
G	3.0 (REF)
H	2.5 (REF)
I	2.0 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0515T_R15M	0.15	16.0	26.0	4.50	5.40
ERS0515T_R22M	0.22	15.0	25.0	6.50	7.80
ERS0515T_R47M	0.47	12.0	20.0	11.00	13.00
ERS0515T_R68M	0.68	10.0	15.0	11.60	13.50
ERS0515T_1R0M	1.00	8.0	10.0	19.50	24.00
ERS0515T_2R2M	2.20	5.0	7.0	63.00	70.00
ERS0515T_3R3M	3.30	4.0	6.0	68.00	75.00
ERS0515T_4R7M	4.70	3.0	5.0	108.00	118.00
ERS0515T_5R6M	5.60	2.8	4.5	126.00	140.00
ERS0515T_6R8M	6.80	2.5	4.2	142.00	155.00
ERS0515T_8R2M	8.20	2.4	4.0	175.00	190.00
ERS0515T_100M	10.00	2.3	3.8	255.00	280.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0520T



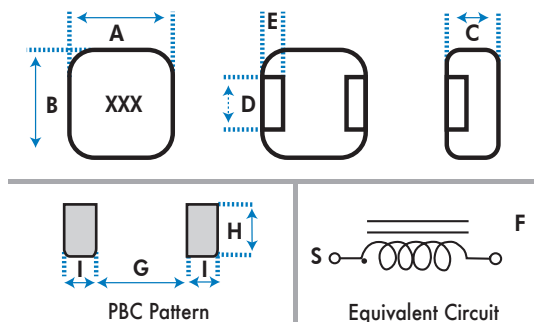
	UNIT mm
A	5.5±0.3
B	5.18±0.3
C	2.0 Max
D	2.0±0.3

	UNIT mm
E	1.2±0.3
G	3.0 (REF)
H	2.5 (REF)
I	2.0 (REF)

PART NUMBER	L0 Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0520T_R10M	0.10	20.0	32.0	3.00	3.60
ERS0520T_R22M	0.22	18.0	28.0	4.30	5.20
ERS0520T_R33M	0.33	16.0	26.0	8.60	10.50
ERS0520T_R47M	0.47	14.0	24.0	8.60	10.50
ERS0520T_R68M	0.68	12.0	18.0	12.00	15.00
ERS0520T_1R0M	1.00	10.0	15.0	17.00	20.00
ERS0520T_1R5M	1.50	7.0	13.0	28.00	33.00
ERS0520T_2R2M	2.20	6.0	9.0	33.00	39.00
ERS0520T_3R3M	3.30	5.0	8.0	60.00	70.00
ERS0520T_4R7M	4.70	4.0	6.5	84.00	95.00
ERS0520T_5R6M	5.60	3.5	5.5	87.00	98.00
ERS0520T_6R8M	6.80	3.0	4.5	93.00	105.00
ERS0520T_8R2M	8.20	2.5	4.0	132.00	145.00
ERS0520T_100M	10.00	2.0	3.5	155.00	175.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause L₀ to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0520H



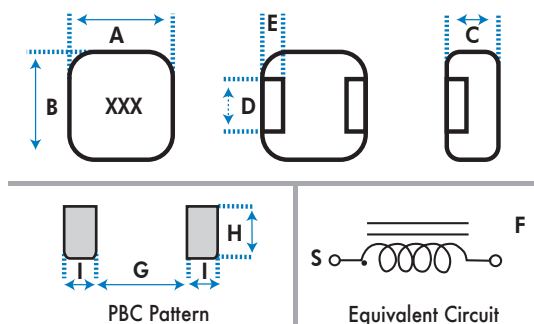
	UNIT mm
A	5.5±0.3
B	5.18±0.3
C	2.0 Max
D	2.0±0.3

	UNIT mm
E	1.2±0.3
G	3.0 (REF)
H	2.5 (REF)
I	2.0 (REF)

PART NUMBER	L0 Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0520H_R10M	0.10	15.0	25.0	3.00	3.60
ERS0520H_R22M	0.22	13.0	19.0	4.20	5.00
ERS0520H_R33M	0.33	11.0	16.0	8.40	10.00
ERS0520H_R47M	0.47	10.0	14.0	8.40	10.00
ERS0520H_R68M	0.68	8.0	10.0	11.50	14.00
ERS0520H_1R0M	1.00	7.0	9.0	16.00	19.00
ERS0520H_1R5M	1.50	5.5	8.0	28.50	34.00
ERS0520H_2R2M	2.20	5.0	7.0	32.00	36.00
ERS0520H_3R3M	3.30	4.5	6.0	58.00	63.00
ERS0520H_4R7M	4.70	3.5	5.0	83.00	90.00
ERS0520H_5R6M	5.60	2.8	4.0	86.00	95.00
ERS0520H_6R8M	6.80	2.5	3.5	114.00	125.00
ERS0520H_100M	10.00	1.8	2.8	155.00	175.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0530H



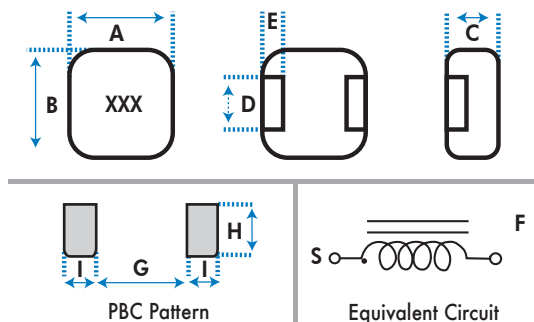
	UNIT mm
A	5.5±0.3
B	5.18±0.3
C	3.0 Max
D	2.0±0.3

	UNIT mm
E	1.2±0.3
G	3.0 (REF)
H	2.5 (REF)
I	2.0 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0530T



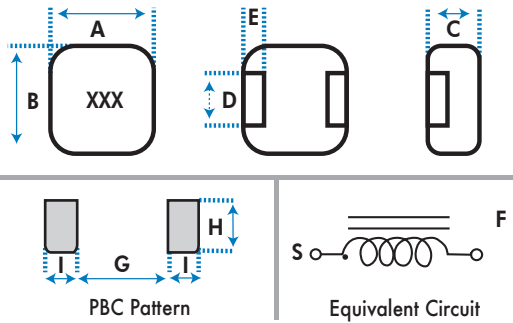
	UNIT mm
A	5.5±0.3
B	5.18±0.3
C	3.0 Max
D	2.0±0.3

	UNIT mm
E	1.2±0.3
G	3.0 (REF)
H	2.5 (REF)
I	2.0 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0530T_R10M	0.10	23.0	38.0	2.60	3.30
ERS0530T_R15M	0.15	22.0	35.0	2.80	3.50
ERS0530T_R22M	0.22	19.0	32.0	4.00	5.00
ERS0530T_R33M	0.33	18.0	28.0	4.60	6.00
ERS0530T_R47M	0.47	16.0	26.0	6.50	8.00
ERS0530T_R68M	0.68	14.0	24.0	8.00	10.00
ERS0530T_1R0M	1.00	12.0	18.0	11.50	14.00
ERS0530T_1R2M	1.20	11.0	16.0	11.50	14.00
ERS0530T_1R5M	1.50	9.0	14.0	15.50	18.50
ERS0530T_2R2M	2.20	8.0	13.0	25.50	31.00
ERS0530T_3R3M	3.30	7.0	11.0	32.50	37.00
ERS0530T_4R7M	4.70	5.5	9.0	56.00	66.00
ERS0530T_5R6M	5.60	5.0	8.0	63.00	72.00
ERS0530T_6R8M	6.80	4.5	7.0	76.00	86.00
ERS0530T_100M	10.00	4.0	6.0	111.00	122.00
ERS0530T_150M	15.00	3.0	5.0	153.00	166.00
ERS0530T_330M	33.00	2.0	3.5	315.00	340.00
ERS0530T_100M_4.0A	10.00	3.0	4.0	109.00	120.00
ERS0530T_150M_3.5A	15.00	2.5	3.5	156.00	163.00
ERS0530T_220M_3.0A	22.00	2.0	3.0	270.00	295.00
ERS0530T_330M_2.0A	33.00	1.6	2.0	330.00	360.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0620T



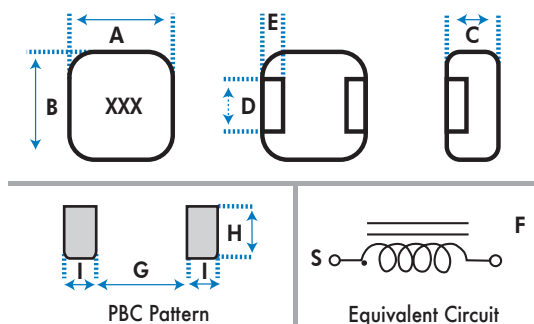
	UNIT mm
A	7.4 Max
B	6.6±0.2
C	2.0 Max
D	3.0±0.3

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0620T_R10M	0.10	21.0	45.0	2.70	3.30
ERS0620T_R22M	0.22	17.0	30.0	2.80	3.50
ERS0620T_R33M	0.33	15.0	26.0	5.60	7.00
ERS0620T_R47M	0.47	11.0	23.0	6.10	7.80
ERS0620T_R68M	0.68	10.0	21.0	9.80	12.00
ERS0620T_1R0M	1.00	9.0	20.0	16.00	19.00
ERS0620T_1R5M	1.50	8.0	18.0	22.00	26.00
ERS0620T_2R2M	2.20	6.0	12.0	32.00	38.00
ERS0620T_3R3M	3.30	5.0	9.0	45.00	53.00
ERS0620T_4R7M	4.70	4.5	8.0	53.00	62.00
ERS0620T_6R8M	6.80	4.0	6.0	114.00	128.00
ERS0620T_100M	10.00	3.0	5.0	147.00	163.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0624T



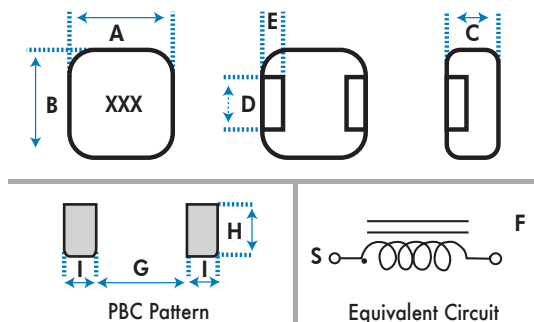
	UNIT mm
A	7.4 Max
B	6.6±0.3
C	2.4 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0624T_R10M	0.10	30.0	60.0	1.30	1.60
ERS0624T_R22M	0.22	21.0	34.0	2.50	3.00
ERS0624T_R47M	0.47	16.0	26.0	4.00	4.80
ERS0624T_R68M	0.68	14.0	23.0	7.10	8.50
ERS0624T_R82M	0.82	13.0	22.0	9.60	11.50
ERS0624T_1R0M	1.00	12.0	22.0	11.3	13.00
ERS0624T_1R5M	1.50	10.0	19.0	14.00	17.00
ERS0624T_2R2M	2.20	8.0	14.0	22.00	26.00
ERS0624T_3R3M	3.30	7.0	12.0	32.00	38.00
ERS0624T_4R7M	4.70	6.0	11.0	47.00	55.00
ERS0624T_6R8M	6.80	5.0	9.0	65.00	75.00
ERS0624T_8R2M	8.20	4.5	8.0	82.00	90.00
ERS0624T_100M	10.00	4.0	7.0	86.00	95.00
ERS0624T_150M	15.00	3.5	6.0	122.00	136.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0624H



	UNIT mm
A	7.4 Max
B	6.6±0.2
C	2.4 Max
D	2.8±0.3 3.0±0.2

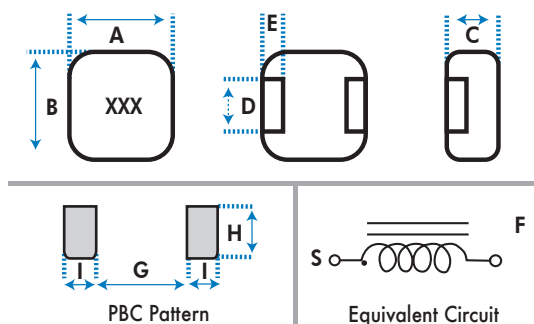
	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0624H_R10M	0.10	18.0	35.0	1.40	1.70
ERS0624H_R22M	0.22	15.0	24.0	2.60	3.20
ERS0624H_R33M	0.33	13.0	20.0	3.50	4.30
ERS0624H_R47M	0.47	12.0	17.0	4.00	5.00
ERS0624H_R68M	0.68	10.0	15.0	6.00	7.50
ERS0624H_1R0M	1.00	9.0	13.0	12.70	15.00
ERS0624H_1R5M	1.50	7.0	10.0	13.00	15.50
ERS0624H_2R2M	2.20	6.0	9.0	22.00	26.00
ERS0624H_3R3M	3.30	5.0	8.0	32.00	38.00
ERS0624H_4R7M	4.70	4.0	7.0	47.00	55.00
ERS0624H_6R8M	6.80	3.0	5.0	63.00	70.00
ERS0624H_100M	10.00	2.5	4.0	82.00	90.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS0630



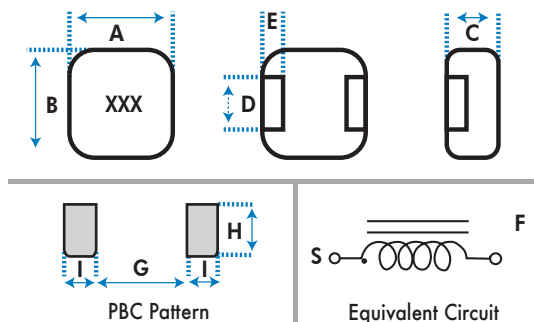
	UNIT mm
A	7.4 Max
B	6.6±0.2
C	3.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	L0 Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0630_R10M	0.10	20.0	35.0	1.60	2.00
ERS0630_R22M	0.22	18.0	30.0	1.70	2.10
ERS0630_R33M	0.33	17.0	26.0	2.20	2.70
ERS0630_R36M	0.36	16.0	25.0	2.40	3.00
ERS0630_R47M	0.47	15.0	22.0	2.90	3.80
ERS0630_R56M	0.56	14.0	20.0	4.00	5.00
ERS0630_R68M	0.68	13.0	17.0	4.80	6.00
ERS0630_R82M	0.82	12.0	16.0	6.80	8.00
ERS0630_1R0M	1.00	11.0	15.0	6.80	8.00
ERS0630_1R2M	1.20	10.0	14.0	8.90	10.00
ERS0630_1R5M	1.50	9.0	12.0	9.10	11.00
ERS0630_2R2M	2.20	8.0	10.0	13.00	16.00
ERS0630_3R3M	3.30	7.0	9.0	19.00	22.00
ERS0630_4R7M	4.70	6.0	8.0	32.70	38.00
ERS0630_5R6M	5.60	5.0	7.0	41.00	48.00
ERS0630_6R8M	6.80	4.0	6.0	45.00	53.00
ERS0630_8R2M	8.20	3.5	5.5	50.00	60.00
ERS0630_100M	10.00	3.0	5.0	66.00	76.00
ERS0630_120M	12.00	2.8	4.5	74.00	85.00
ERS0630_150M	15.00	2.5	4.0	105.00	115.00
ERS0630_220M	22.00	2.3	3.0	122.00	135.00
ERS0630_150M	33.00	2.0	2.8	193.00	210.00

MOLDING POWER INDUCTOR:

ERS0630T



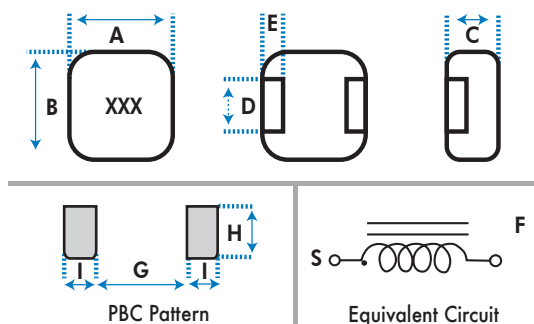
	UNIT mm
A	7.4 Max
B	6.6±0.2
C	3.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0630_R10M	0.10	30.0	75.0	1.20	1.50
ERS0630_R12M	0.12	29.0	60.0	1.70	2.10
ERS0630_R15M	0.15	28.0	53.0	1.70	2.10
ERS0630_R22M	0.22	25.0	45.0	2.30	2.70
ERS0630_R33M	0.33	23.0	35.0	2.60	3.20
ERS0630_R36M	0.36	22.0	32.0	3.20	4.00
ERS0630_R47M	0.47	21.0	31.0	3.50	4.50
ERS0630_R68M	0.68	20.0	30.0	4.90	6.00
ERS0630_R82M	0.82	16.0	28.0	7.30	8.50
ERS0630_11R0M	1.00	13.0	26.0	7.50	9.00
ERS0630_11R2M	1.20	12.0	22.0	9.30	11.00
ERS0630_11R5M	1.50	11.0	20.0	10.50	13.00
ERS0630_2R2M	2.20	10.0	18.0	14.50	18.50
ERS0630_3R3M	3.30	9.0	15.0	25.00	30.00
ERS0630_4R7M	4.70	8.0	14.0	36.00	40.00
ERS0630_5R6M	5.60	7.0	13.0	43.00	51.00
ERS0630_6R8M	6.80	6.0	11.0	54.00	63.00
ERS06301_100M	10.00	4.5	8.0	78.00	88.00
ERS06301_150M	15.00	3.5	6.0	94.00	105.00
ERS0630_220M	22.00	2.5	4.0	122.00	138.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0630H

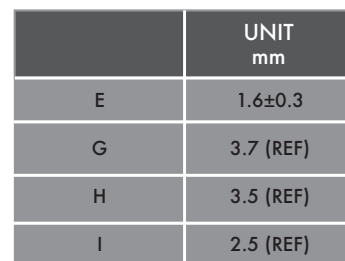


	UNIT mm
A	7.4 Max
B	6.6±0.2
C	3.0 Max
D	2.8±0.3 3.0±0.2

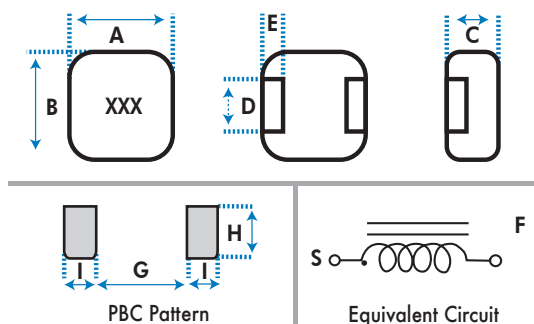
	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0630H_R10M	0.10	32.5	55.0	1.35	1.60
ERS0630H_R15M	0.15	30.0	40.0	1.70	2.50
ERS0630H_R22M	0.22	23.0	34.0	2.20	2.80
ERS0630H_R33M	0.33	21.0	27.0	2.30	2.60
ERS0630H_R47M	0.47	18.0	20.0	3.50	4.10
ERS0630H_R56M	0.56	17.0	18.0	4.30	4.90
ERS0630H_R68M	0.68	16.0	17.0	5.00	5.30
ERS0630H_R82M	0.82	13.0	16.0	6.00	6.90
ERS0630H_1R0M	1.00	12.0	15.0	6.90	7.40
ERS0630H_1R2M	1.20	10.5	14.0	8.00	10.50
ERS0630H_1R5M	1.50	10.0	14.0	9.10	12.10
ERS0630H_2R2M	2.20	8.5	10.0	15.00	17.50
ERS0630H_3R3M	3.30	8.0	9.5	20.50	22.00
ERS0630H_4R7M	4.70	6.0	9.0	29.00	33.00
ERS0630H_5R6M	5.60	5.5	8.0	34.00	38.00
ERS0630H_6R8M	6.80	5.0	6.1	44.00	48.00
ERS0630H_8R2M	8.20	4.5	5.5	56.00	65.00
ERS0630H_100M	10.00	4.0	5.0	62.00	68.00
ERS0630H_150M	15.00	3.0	4.0	110.00	115.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR: ERS0640



	UNIT mm
A	7.4 Max
B	6.6±0.2
C	4.0 Max
D	2.8±0.3 3.0±0.2

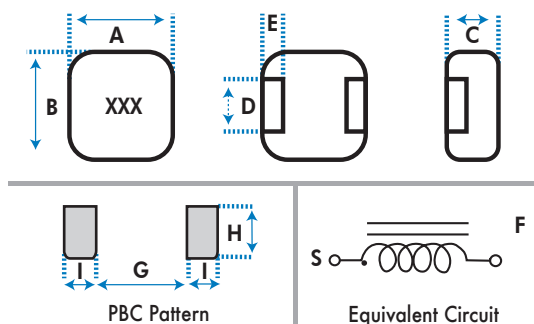
	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0640_R22M	0.22	19.0	30.0	2.15	2.60
ERS0640_R33M	0.33	18.0	28.0	2.20	2.60
ERS0640_1R0M	1.00	12.0	16.0	5.00	6.60
ERS0640_1R5M	1.50	10.0	14.0	7.00	8.80
ERS0640_2R2M	2.20	9.0	12.0	10.00	13.00
ERS0640_3R3M	3.30	8.0	10.0	15.00	18.00
ERS0640_4R7M	4.70	7.2	9.0	22.00	25.00
ERS0640_5R6M	5.60	7.0	8.0	23.00	26.00
ERS0640_6R8M	6.80	5.0	7.0	34.00	40.00
ERS0640_8R2M	8.20	4.0	7.0	51.00	61.00
ERS0640_100M	10.00	3.5	6.0	51.00	61.00
ERS0640_150M	15.00	3.0	5.0	64.00	76.00
ERS0640_220M	22.00	2.5	4.0	113.00	130.00
ERS0640_330M	33.00	2.0	3.0	166.00	180.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS0640T



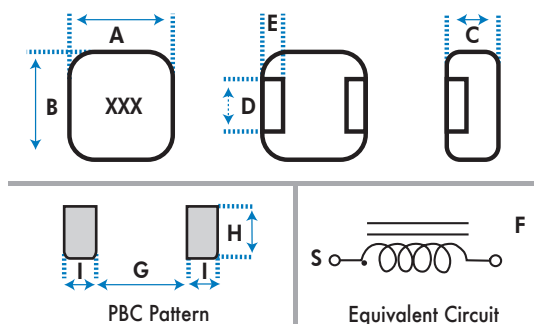
	UNIT mm
A	7.4 Max
B	6.6±0.2
C	4.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0640_R15M	0.15	40.0	65.0	0.65	0.80
ERS0640_R22M	0.22	35.0	48.0	0.99	0.98 $\pm 7\%$
ERS0640_R22M	0.22	41.0	50.0	0.81	0.80 $\pm 5\%$
ERS0640_R33M	0.33	25.0	35.0	1.80	1.85 $\pm 10\%$
ERS0640_R56M	0.56	22.0	30.0	3.50	4.50
ERS0640_1R0M	1.00	14.0	25.0	5.70	7.00
ERS0640_2R2M	2.20	11.0	20.0	11.20	13.50
ERS0640_3R3M	3.30	9.0	16.0	15.00	18.00
ERS0640_4R7M	4.70	8.0	15.0	22.00	26.00
ERS0640_5R6M	5.60	7.0	14.0	29.00	35.00
ERS0640_6R8M	6.80	6.5	13.0	31.00	37.00
ERS0640_100M	10.00	5.0	12.0	59.00	70.00
ERS0640_120M	12.00	4.0	8.0	65.00	80.00
ERS0640_150M	15.00	4.5	9.0	77.80	89.00
ERS0640_220M	22.00	3.5	5.5	140.0	155.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0650T



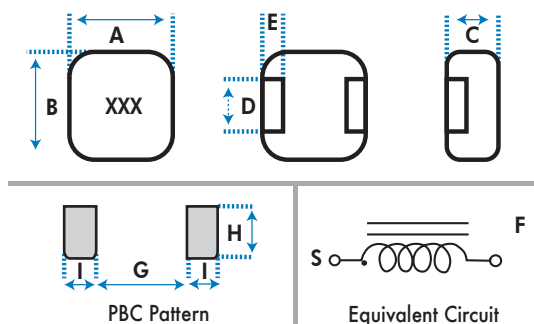
	UNIT mm
A	7.6 Max
B	6.6±0.2
C	5.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0650T_R47M	0.47	22.0	30.0	3.20	3.60
ERS0650T_R56M	0.56	20.0	28.0	2.80	3.60
ERS0650T_R68M	0.68	18.0	27.5	4.30	4.80
ERS0650T_1R0M	1.00	15.0	26.0	6.00	7.50
ERS0650T_1R5M	1.50	14.0	24.0	7.90	9.00
ERS0650T_2R2M	2.20	11.0	18.0	9.80	12.00
ERS0650T_3R3M	3.30	9.0	17.0	17.50	20.00
ERS0650T_4R7M	4.70	7.0	16.0	28.00	32.00
ERS0650T_5R6M	5.60	7.0	15.0	29.00	33.00
ERS0650T_6R8M	6.80	6.5	13.0	33.50	40.00
ERS0650T_100M	10.00	6.0	12.0	47.00	55.00
ERS0650T_150M	15.00	5.0	10.0	82.00	93.00
ERS0650T_220M	22.00	4.0	7.0	121.00	140.00
ERS0650T_330M	33.00	3.5	6.5	135.00	158.00
ERS0650T_470M	47.00	2.5	4.0	200.00	225.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0650

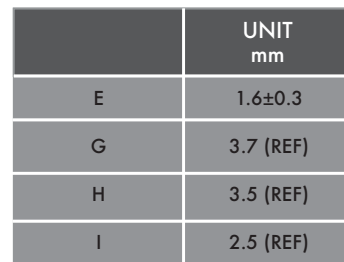


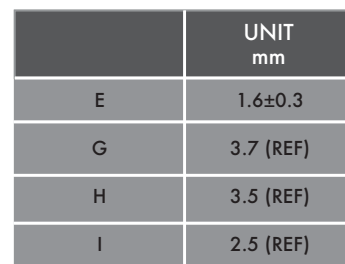
	UNIT mm
A	7.6 Max
B	6.6±0.2
C	5.0 Max
D	2.8±0.3 3.0±0.2

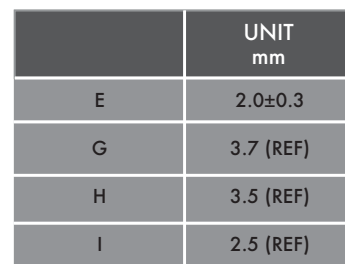
	UNIT mm
E	1.6±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0650_R10M	0.10	35.0	50.0	1.30	1.60
ERS0650_R22M	0.22	23.0	35.0	1.60	2.00
ERS0650_R33M	0.33	20.0	28.0	2.20	2.80
ERS0650_R47M	0.47	19.0	25.0	2.80	3.60
ERS0650_R56M	0.56	18.0	22.0	3.40	4.50
ERS0650_R68M	0.68	16.0	20.0	4.20	5.30
ERS0650_R82M	0.82	14.0	19.0	5.00	6.00
ERS0650_1R0M	1.00	12.0	18.0	5.70	6.80
ERS0650_1R2M	1.20	11.0	16.0	5.70	6.80
ERS0650_1R5M	1.50	10.0	14.0	6.80	8.00
ERS0650_2R2M	2.20	9.0	13.0	10.40	12.50
ERS0650_3R3M	3.30	7.0	11.0	13.00	15.5
ERS0650_4R7M	4.70	6.0	10.0	17.00	20.00
ERS0650_5R6M	5.60	5.5	8.5	19.20	23.00
ERS0650_6R8M	6.80	5.0	8.0	24.30	28.00
ERS0650_8R2M	8.20	4.8	7.5	35.00	41.00
ERS0650_100M	10.00	4.5	7.0	35.00	41.00
ERS0650_120M	12.00	3.8	6.5	46.50	53.00
ERS0650_150M	15.00	3.5	6.0	52.00	62.00
ERS0650_180M	18.00	3.0	5.5	75.00	88.00

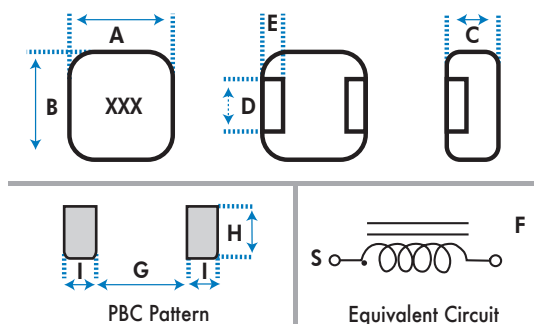
- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR: ERS0750T

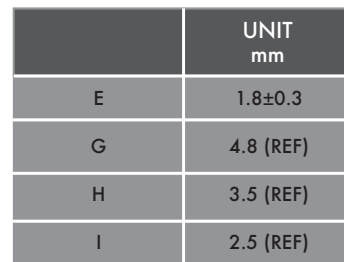


	UNIT mm
A	8.5 Max
B	7.0±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	2.0±0.3
G	3.7 (REF)
H	3.5 (REF)
I	2.5 (REF)

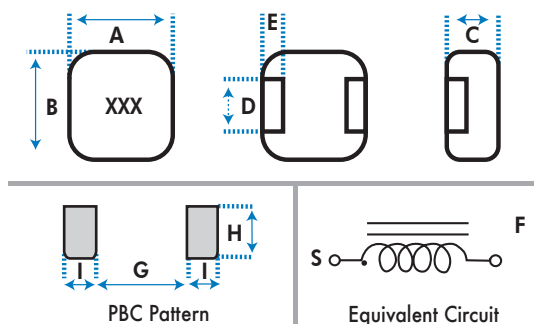
[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR:

ERS0830T



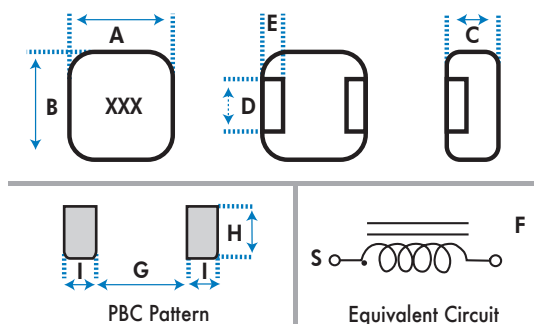
	UNIT mm
A	9.2 Max
B	8.0±0.3
C	3.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	L0 Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0830T_R22M	0.22	30.0	70.0	1.50	1.80
ERS0830T_R33M	0.33	25.0	47.0	2.20	2.50
ERS0830T_R47M	0.47	20.0	36.0	3.10	3.30
ERS0830T_R68M	0.68	19.0	32.0	3.30	4.00
ERS0830T_1R0M	1.00	16.0	30.0	6.50	8.00
ERS0830T_1R5M	1.50	14.0	23.0	6.50	8.00
ERS0830T_2R2M	2.20	12.0	18.0	10.50	12.50
ERS0830T_3R3M	3.30	10.0	16.0	19.00	23.00
ERS0830T_4R7M	4.70	9.0	15.0	31.50	38.00
ERS0830T_5R6M	5.60	8.0	13.0	35.00	42.00
ERS0830T_6R8M	6.80	7.0	12.0	46.00	53.00
ERS0830T_8R2M	8.20	6.5	9.5	49.00	65.00
ERS0830T_100M	10.00	6.0	8.0	54.00	65.00
ERS0830T_330M	33.00	3.0	5.0	175.00	195.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause L₀ to drop approximately 30%.
- We can design according to customer's request.

ERS0830H



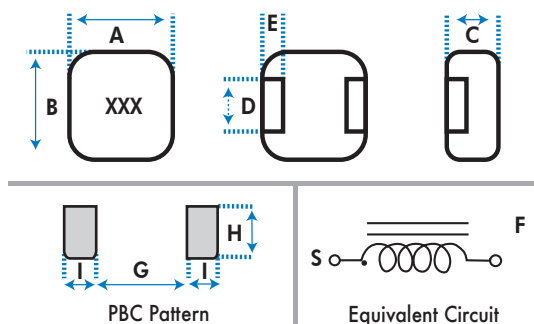
	UNIT mm
A	9.2 Max
B	8.0±0.3
C	3.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0840



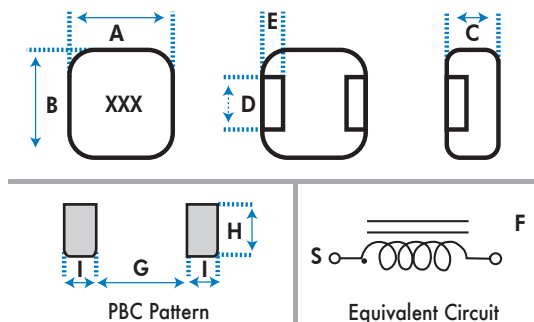
	UNIT mm
A	9.2 Max
B	8.0±0.3
C	4.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0840_R22M	0.22	25.0	35.0	0.80	1.00
ERS0840_R33M	0.33	23.0	30.0	2.10	2.50
ERS0840_1R0M	1.00	13.0	18.0	3.80	4.50
ERS0840_1R5M	1.50	12.0	16.0	6.40	8.00
ERS0840_2R2M	2.20	10.0	15.0	7.30	9.00
ERS0840_4R7M	4.70	8.0	11.5	16.50	19.00
ERS0840_6R8M	6.80	6.0	10.0	24.00	27.00
ERS0840_8R2M	8.20	5.0	8.0	40.00	48.00
ERS0840_100M	10.00	5.0	7.0	40.00	48.00
ERS0840_220M	22.00	3.0	5.0	103.00	115.00
ERS0840_330M	33.00	2.5	4.0	154.00	168.00
ERS0840_470M	47.00	2.0	3.5	179.00	200.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS0840T



	UNIT mm
A	9.2 Max
B	8.0±0.3
C	4 Max
D	2.8±0.3 3.0±0.2

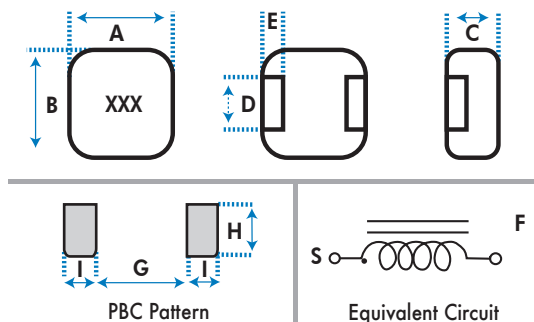
	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0840T_R22M	0.22	34.0	60.0	1.10	1.35
ERS0840T_R33M	0.33	27.5	55.0	1.90	2.20
ERS0840T_R47M	0.47	25.0	35.0	1.92	2.38
ERS0840T_R68M	0.68	22.0	32.0	2.97	3.22
ERS0840T_R82M	0.82	20.0	30.0	3.00	3.80
ERS0840T_1R0M	1.00	18.2	27.0	3.96	4.63
ERS0840T_1R2M	1.20	18.0	25.0	4.70	5.50
ERS0840T_1R5M	1.50	17.0	24.0	5.30	6.50
ERS0840T_2R2M	2.20	14.5	22.0	8.80	9.41
ERS0840T_3R3M	3.30	12.0	20.0	16.00	17.70
ERS0840T_4R7M	4.70	11.0	18.0	20.20	22.60
ERS0840T_5R6M	5.60	7.4	13.0	26.70	28.60
ERS0840T_6R8M	6.80	7.0	12.0	31.20	33.40
ERS0840T_8R2M	8.20	6.0	11.0	40.50	48.00
ERS0840T_100M	10.00	6.0	10.0	48.00	55.00
ERS0840T_150M	15.00	5.0	8.0	60.00	68.00
ERS0840T_220M	22.00	4.0	7.0	102.00	110.20
ERS0840T_470M	47.00	3.0	5.5	191.00	205.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS0840H

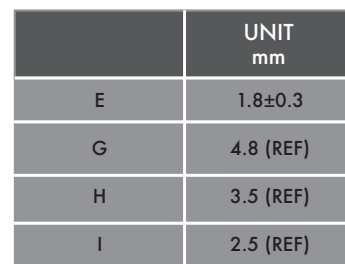


	UNIT mm
A	9.2 Max
B	8.0±0.3
C	4.0 Max
D	2.8±0.3 3.0±0.2

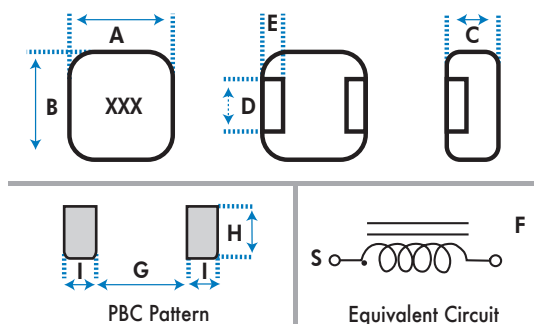
	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0840H_R10M	0.10	40.0	80.0	0.70	0.90
ERS0840H_R22M	0.22	30.0	55.0	1.10	1.35
ERS0840H_R33M	0.33	22.0	35.0	1.50	1.80
ERS0840H_R47M	0.47	18.0	23.0	2.30	2.80
ERS0840H_R68M	0.68	17.0	22.0	3.50	4.20
ERS0840H_R82M	0.82	15.0	20.0	3.00	3.60
ERS0840H_1R0M	1.00	14.0	18.0	4.60	5.50
ERS0840H_2R2M	2.20	12.0	17.0	10.00	12.50
ERS0840H_3R3M	3.30	8.0	15.0	16.00	19.00
ERS0840H_5R6M	5.60	7.0	11.0	24.00	28.00
ERS0840H_6R8M	6.80	6.0	9.0	32.00	37.00
ERS0840H_8R2M	8.20	5.5	8.5	45.00	52.00
ERS0840H_100M	10.00	5.0	8.0	52.00	60.00
ERS0840H_150M	15.00	4.0	6.0	64.00	73.00
ERS0840H_220M	22.00	3.0	5.0	102.00	115.00
ERS0840H_330M	33.00	2.5	4.0	140.00	160.00
ERS0840H_470M	47.00	2.0	3.5	200.00	230.00
ERS0840H_1R0M_A	1.00	15.0	18.0	3.80	4.50

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR: ERS0850T



	UNIT mm
A	9.2 Max
B	8.0±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.2

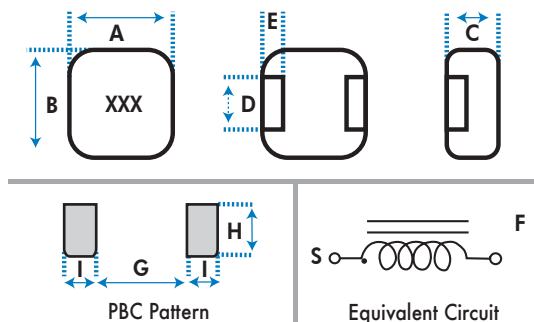
	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0850T_R15M	0.15	45.0	80.0	0.55	0.65
ERS0850T_R22M	0.22	35.0	55.0	0.80	1.00
ERS0850T_1R0M	1.00	20.0	30.0	4.70	5.50
ERS0850T_1R2M	1.20	19.0	29.0	4.70	5.60
ERS0850T_1R5M	1.50	17.0	28.0	6.10	7.00
ERS0850T_2R2M	2.20	15.0	28.0	9.40	12.00
ERS0850T_3R3M	3.30	12.0	26.0	10.20	11.50
ERS0850T_4R7M	4.70	11.0	22.0	16.50	19.00
ERS0850T_6R8M	6.80	10.0	18.0	26.50	31.00
ERS0850T_100M	10.00	8.0	16.0	41.00	47.00
ERS0850T_220M	22.00	5.0	11.0	87.00	95.00
ERS0850T_330M	33.00	3.0	6.0	123.00	132.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS0850P



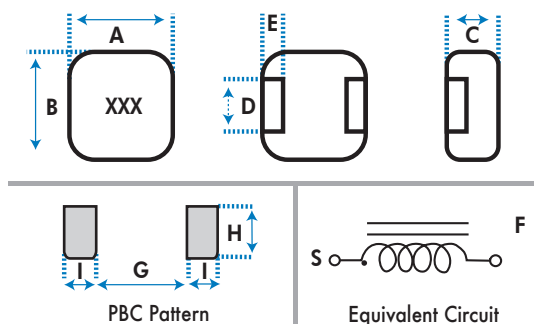
	UNIT mm
A	9.2 Max
B	8.0±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.2

	UNIT mm
E	1.8±0.3
G	4.8 (REF)
H	3.5 (REF)
I	2.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS0850P_R22M	0.22	20.0	35.0	0.90	1.20
ERS0850P_R68M	0.68	16.0	22.0	3.50	4.20
ERS0850P_R82M	0.82	15.0	20.0	4.00	4.80
ERS0850P_1R0M	1.00	14.0	19.0	4.10	4.80
ERS0850P_1R5M	1.50	13.0	18.0	5.50	6.50
ERS0850P_2R2M	2.20	11.0	17.0	7.50	9.00
ERS0850P_3R3M	3.30	10.0	15.0	10.00	12.50
ERS0850P_4R7M	4.70	9.0	13.0	16.50	19.00
ERS0850P_5R6M	5.60	8.0	12.0	19.80	23.50
ERS0850P_6R8M	6.80	7.0	11.0	21.00	25.00
ERS0850P_8R2M	8.20	6.0	10.0	30.00	36.00
ERS0850P_100M	10.00	5.5	9.0	31.00	37.00
ERS0850P_150M	15.00	5.0	8.0	52.00	60.00
ERS0850P_220M	22.00	4.0	7.0	69.00	79.00
ERS0850P_330M	33.00	3.5	5.0	122.00	135.00
ERS0850P_470M	47.00	3.0	4.0	151.00	165.00
ERS0850P_560M	56.00	2.0	3.0	161.00	176.00
ERS0850P_680M	68.00	1.8	2.5	188.00	206.00
ERS0850P_101M	100.00	1.5	2.0	285.00	310.00
ERS0850P_151M	150.00	1.2	1.8	402.00	430.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS090830T



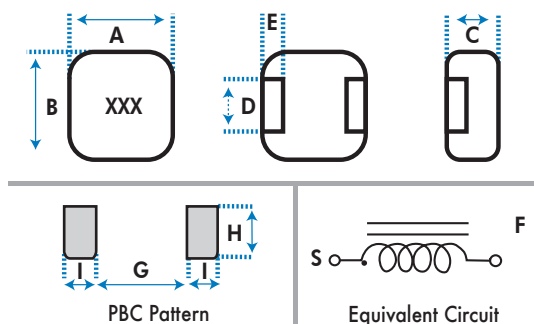
	UNIT mm
A	9.7±0.5
B	8.5 Max
C	3.0 Max
D	5.0±0.5

	UNIT mm
E	1.5±0.3
G	4.82 (REF)
H	5.33 (REF)
I	2.41 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS090830T_R22M	0.22	28.00	45.0	1.43	1.61
ERS090830T_R33M	0.33	16.50	39.00	2.18	2.57
ERS090830T_R47M	0.47	16.0	34.0	2.85	3.33
ERS090830T_R68M	0.68	15.0	32.50	3.40	3.99
ERS090830T_R82M	0.82	14.0	30.50	4.20	4.87
ERS090830T_1R0M	1.00	13.0	25.00	6.20	8.35
ERS090830T_1R5M	1.50	11.0	21.00	11.30	13.30
ERS090830T_2R2M	2.20	9.0	15.50	17.30	20.30
ERS090830T_3R3M	3.30	7.50	12.50	23.30	27.40
ERS090830T_4R7M	4.70	7.00	12.00	29.00	34.20
ERS090830T_5R6M	5.60	6.30	10.20	31.60	37.20
ERS090830T_6R8M	6.80	5.10	10.00	42.00	49.30
ERS090830T_8R2M	8.20	4.30	9.70	50.40	59.30
ERS090830T_100M	10.00	4.5	9.50	57.50	71.20
ERS090830T_150M	15.00	3.8	7.0	78.00	85.30

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS090840T



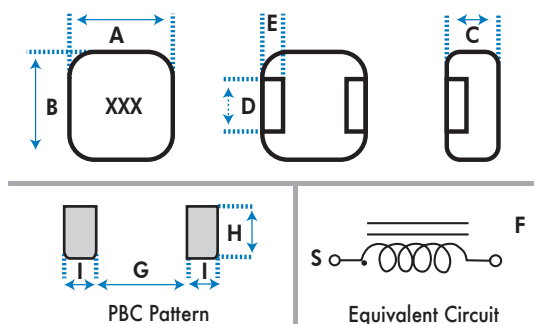
	UNIT mm
A	9.7±0.5
B	8.5 Max
C	4.0 Max
D	3.0±0.5 5.0±0.5

	UNIT mm
E	1.5±0.3
G	4.82 (REF)
H	3.70 (REF) 5.33 (REF)
I	2.41 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS090840T_R22M	0.22	22.5	52.0	1.16	1.35
ERS090840T_R33M	0.33	18.5	40.00	1.95	2.15
ERS090840T_R47M	0.47	18.0	38.0	2.10	2.38
ERS090840T_R68M	0.68	15.0	26.0	2.75	3.22
ERS090840T_R82M	0.82	14.5	25.0	3.30	3.88
ERS090840T_1R0M	1.00	14.0	24.00	3.95	4.63
ERS090840T_1R5M	1.50	13.5	23.0	5.95	7.00
ERS090840T_2R2M	2.20	10.0	19.0	8.00	9.41
ERS090840T_3R3M	3.30	9.8	17.0	12.50	14.90
ERS090840T_4R7M	4.70	9.5	14.5	19.80	22.60
ERS090840T_6R8M	6.80	9.0	12.0	29.00	33.20
ERS090840T_8R2M	8.20	8.5	11.0	39.50	45.00
ERS090840T_100M	10.00	8.0	10.5	45.50	51.80
ERS090840T_150M	15.00	5.0	10.0	61.00	72.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1030



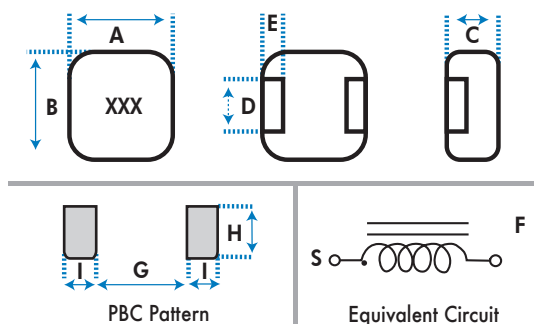
	UNIT mm
A	10.5±1
B	10.3±0.3
C	3.0 Max
D	2.8±0.3 3.0±0.53

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1030_R12M	0.12	40.0	62.0	0.60	0.78
ERS1030_R22M	0.22	24.0	40.0	0.80	1.05
ERS1030_R36M	0.36	20.0	35.0	1.10	1.40
ERS1030_R56M	0.56	18.0	30.0	2.60	3.30
ERS1030_R68M	0.68	16.0	20.0	2.60	3.30
ERS1030_1R0M	1.00	9.0	16.0	4.50	5.50
ERS1030_2R2M	2.20	7.0	11.0	11.00	13.50
ERS1030_3R3M	3.30	6.0	10.0	13.00	16.00
ERS1030_4R7M	4.70	5.5	8.0	19.00	23.00
ERS1030_6R8M	6.80	5.0	7.5	24.00	28.00
ERS1030_8R2M	8.20	4.5	7.0	44.00	50.00
ERS1030_100M	10.00	4.0	6.0	58.00	66.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1030T



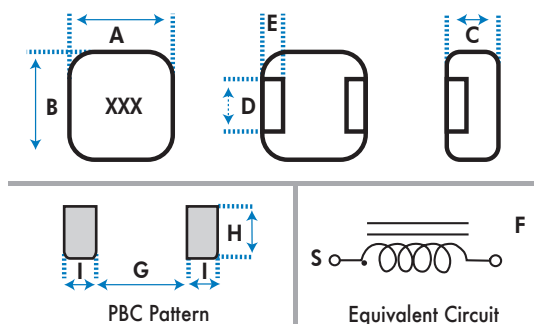
	UNIT mm
A	10.5±1
B	10.3±0.3
C	3.0 Max
D	2.8±0.3 3.0±0.3

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1040

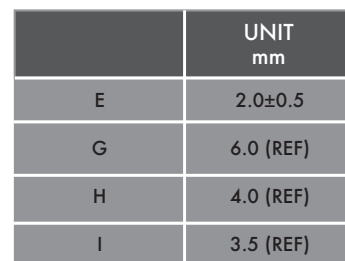


	UNIT mm
A	10.5±1
B	10.3±0.3
C	4.0 Max (WNC1040)
D	2.8±0.3 3.0±0.3

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

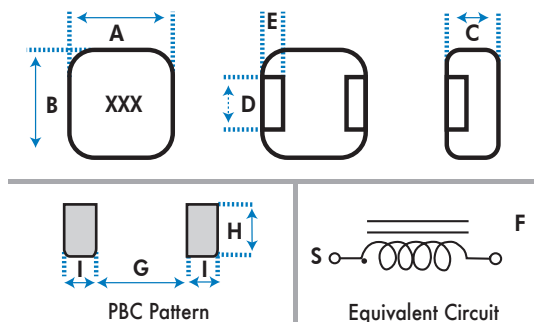
PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1040_R15M	0.15	40.0	60.0	0.55	0.75
ERS1040_R22M	0.22	30.0	48.0	0.60	0.80
ERS1040_R33M	0.33	28.0	45.0	1.00	1.30
ERS1040_R36M	0.36	25.0	40.0	1.00	1.30
ERS1040_R47M	0.47	21.0	35.0	1.10	1.40
ERS1040_R56M	0.56	19.0	32.0	1.60	2.00
ERS1040_R68M	0.68	18.0	26.0	1.60	2.00
ERS1040_R82M	0.82	16.0	24.0	2.10	2.50
ERS1040_1R0M	1.00	14.0	22.0	2.10	2.50
ERS1040_1R5M	1.50	12.0	20.0	4.30	5.20
ERS1040_2R2M	2.20	10.0	18.0	6.10	8.00
ERS1040_3R3M	3.30	9.0	16.0	9.40	11.50
ERS1040_4R7M	4.70	8.0	13.0	12.00	14.50
ERS1040_5R6M	5.60	7.0	12.0	16.00	19.00
ERS1040_6R8M	6.80	6.0	10.0	18.00	21.00
ERS1040_8R2M	8.20	5.5	9.0	28.00	32.00
ERS1040_100M	10.00	5.0	8.0	31.00	36.00
ERS1040_150M	15.00	4.0	7.0	51.00	60.00
ERS1040_220M	22.00	3.5	6.0	58.00	65.00
ERS1040_330M	33.00	3.0	5.0	88.00	100.00
ERS1040_470M	47.00	2.0	3.5	132.00	145.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR:

ERS1040H

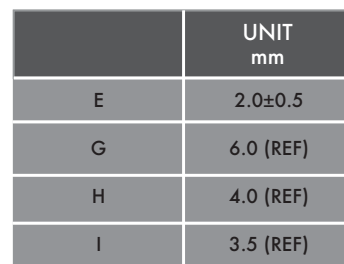


	UNIT mm
A	10.5±1
B	10.3±0.3
C	4.0 Max
D	2.8±0.3 3.0±0.3

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

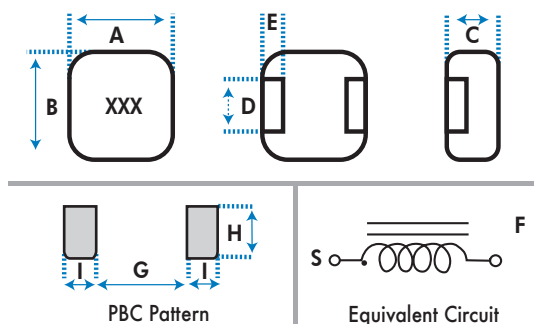
PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1040H_R15M	0.15	45.0	70.0	0.47	0.55
ERS1040H_R22M	0.22	35.0	60.0	0.55	1.00
ERS1040H_R33M	0.33	30.0	46.0	1.10	1.30
ERS1040H_R47M	0.47	29.5	44.0	1.10	1.30
ERS1040H_R68M	0.68	23.0	32.0	1.60	1.90
ERS1040H_1R0M	1.00	16.0	26.0	2.60	3.00
ERS1040H_1R2M	1.20	15.0	24.0	4.30	5.20
ERS1040H_1R5M	1.50	15.0	22.0	4.30	5.20
ERS1040H_2R2M	2.20	13.0	18.0	6.60	8.00
ERS1040H_3R3M	3.30	12.0	16.0	10.30	12.50
ERS1040H_3R3M_15A	3.30	15.0	15.0	9.00	11.00
ERS1040H_4R7M	4.70	10.0	14.0	17.00	20.00
ERS1040H_5R6M	5.60	9.0	12.5	19.00	22.00
ERS1040H_6R8M	6.80	8.5	12.0	20.50	25.00
ERS1040H_8R2M	8.20	8.0	10.0	26.00	30.00
ERS1040H_100M	10.00	7.5	9.0	30.50	36.00
ERS1040H_150M	15.00	6.5	7.0	42.00	48.00
ERS1040H_220M	22.00	5.2	6.0	58.00	65.00
ERS1040H_330M	33.00	4.0	5.0	84.00	92.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR:

ERS1040T

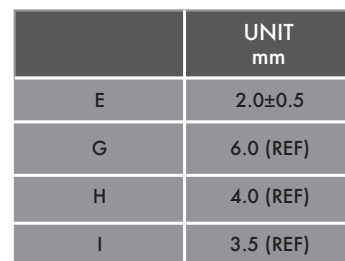


	UNIT mm
A	10.5±1
B	10.3±0.3
C	4.0 Max
D	2.8±0.3 3.0±0.3

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

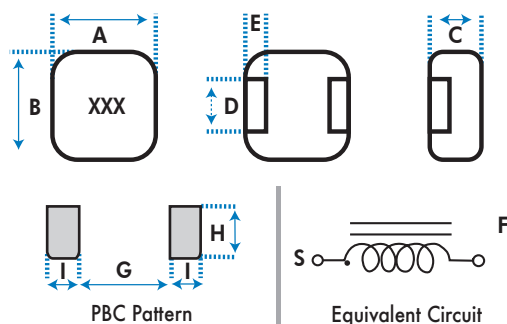
PART NUMBER	L0 Inductance (μH) ±20% (0α)	Heat Rating Current Irms (A)	Isat (A) drop 20%	Isat (A) drop 30%	DCR (m Ω)	
					TYP. (25 °C)	MAX (25 °C)
ERS1040T_R19M	0.19	40.00	90.0	100.0	0.79	0.95
ERS1040T_R22M	0.22	36.00		80.0	0.65	0.80
ERS1040T_R33M	0.33	32.00	63.0	70.0	1.05	1.30
ERS1040T_R36M	0.36	31.00	60.0	65.0	1.10	1.35
ERS1040T_R47M	0.47	30.00	52.0	60.0	1.15	1.40
ERS1040T_R56M	0.56	28.00	49.0	55.0	1.65	2.00
ERS1040T_R68M	0.68	25.00		50.0	2.20	2.60
ERS1040T_R82M	0.82	24.00		41.0	2.10	2.50
ERS1040T_1R0M	1.00	22.00	36.0	40.0	2.15	2.50
ERS1040T_1R2M	1.20	20.00		35.0	2.85	3.50
ERS1040T_1R5M	1.50	18.00	27.5	30.0	4.30	5.20
ERS1040T_2R2M	2.20	16.00		28.0	5.30	6.50
ERS1040T_3R3M	3.30	14.00	20.0	25.0	10.30	13.00
ERS1040T_4R7M	4.70	12.00		20.0	15.30	18.00
ERS1040T_5R6M	5.60	10.00		16.0	15.50	18.50
ERS1040T_6R8M	6.80	9.00	13.5	15.0	21.50	24.00
ERS1040T_8R2M	8.20	8.00		14.0	30.00	36.0

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR:

ERS1050



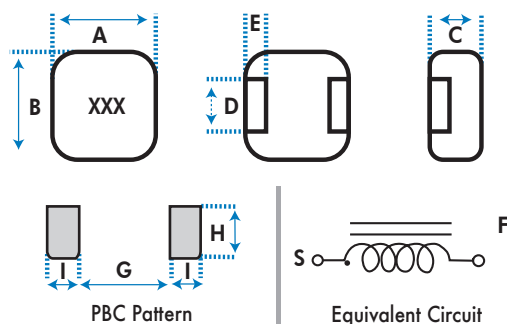
	UNIT mm
A	10.5±1
B	10.3±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.3

	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

PART NUMBER	L0 Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1050_R36M	0.36	36.0	52.0	0.80	1.05
ERS1050_R68M	0.68	20.0	35.0	1.60	1.90
ERS1050_R82M	0.82	18.0	30.0	2.10	2.50
ERS1050_1R0M	1.00	16.0	28.0	2.10	2.50
ERS1050_1R2M	1.20	15.0	25.0	2.30	2.80
ERS1050_1R5M	1.50	13.0	22.0	3.20	3.80
ERS1050_2R2M	2.20	11.0	20.0	5.00	6.00
ERS1050_3R3M	3.30	10.0	15.0	5.80	7.00
ERS1050_4R7M	4.70	9.0	15.0	9.70	12.00
ERS1050_5R6M	5.60	8.5	14.0	13.50	16.00
ERS1050_6R8M	6.80	8.0	13.0	14.50	17.00
ERS1050_8R2M	8.20	7.0	12.0	23.00	27.00
ERS1050_100M	10.00	6.5	11.0	24.50	28.00
ERS1050_150M	15.00	6.0	10.0	37.00	42.00
ERS1050_220M	22.00	5.0	8.0	58.00	65.00
ERS1050_330M	33.00	4.5	6.0	85.00	95.00
ERS1050_470M	47.00	4.0	5.5	136.00	152.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1050



	UNIT mm
A	10.5±1
B	10.3±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.3

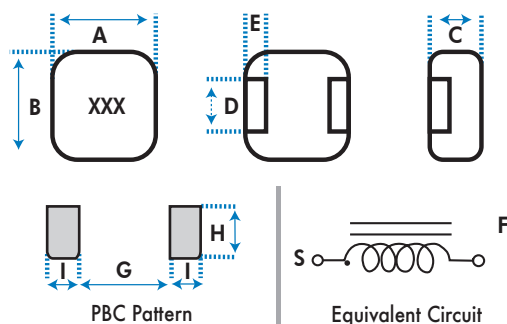
	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS1050T



	UNIT mm
A	10.5±1
B	10.3±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.3

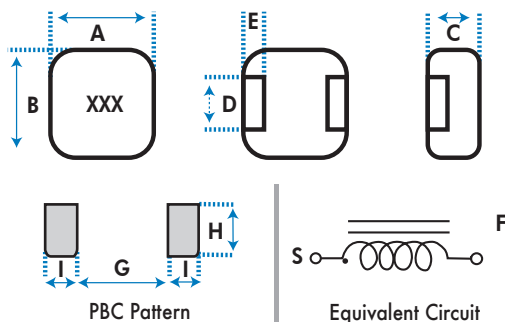
	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1050T_R36M	0.36	33.0	80.0	0.78	1.00
ERS1050T_R47M	0.47	32.0	70.0	1.10	1.40
ERS1050T_R56M	0.56	30.0	55.0	1.30	1.60
ERS1050T_R68M	0.68	28.0	50.0	1.30	1.70
ERS1050T_1R0M	1.00	24.0	45.0	2.10	2.50
ERS1050T_1R5M	1.50	20.0	42.0	2.96	3.60
ERS1050T_2R2M	2.20	18.0	40.0	6.00	7.10
ERS1050T_3R3M	3.30	14.0	30.0	7.80	10.00
ERS1050T_4R7M	4.70	13.0	23.0	9.80	12.00
ERS1050T_5R6M	5.60	11.0	20.0	11.50	14.00
ERS1050T_6R8M	6.80	10.0	19.0	14.80	18.00
ERS1050T_8R2M	8.20	9.0	18.0	23.00	27.00
ERS1050T_100M	10.00	8.0	16.0	26.00	28.00
ERS1050T_150M	15.00	7.5	11.0	38.50	43.00
ERS1050T_220M	22.00	6.0	10.0	45.00	53.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR:

ERS1050H

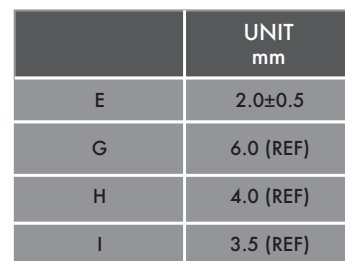


	UNIT mm
A	10.5±1
B	10.3±0.3
C	5.0 Max
D	2.8±0.3 3.0±0.3

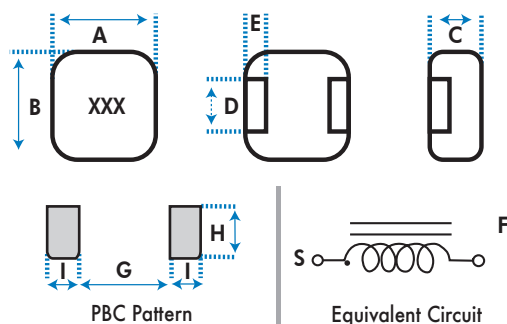
	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1050H_R15M	0.15	46.0	80.0	0.50	0.55
ERS1050H_R47M	0.47	28.0	50.0	1.15	1.38
ERS1050H_R56M	0.56	26.5	43.0	1.30	1.50
ERS1050H_R68M	0.68	27.0	37.0	1.68	1.80
ERS1050H_R82M	0.82	25.0	36.0	2.00	2.50
ERS1050H_1R0M	1.00	23.0	30.0	2.20	3.00
ERS1050H_1R5M	1.50	19.0	26.0	2.60	4.20
ERS1050H_2R2M	2.20	15.0	24.0	4.80	5.00
ERS1050H_3R3M	3.30	14.0	22.0	7.80	10.00
ERS1050T_4R7M	4.70	13.0	19.0	9.40	12.00
ERS1050T_5R6M	5.60	10.0	16.0	14.00	17.00
ERS1050T_6R8M	6.80	9.5	15.0	16.50	20.00
ERS1050T_8R2M	8.20	9.0	14.0	23.00	28.00
ERS1050T_100M	10.00	8.0	13.0	23.40	30.00
ERS1050T_150M	15.00	6.5	10.0	34.20	45.00
ERS1050T_220M	22.00	6.0	9.0	58.00	70.00
ERS1050T_330M	33.00	4.8	7.0	82.00	92.00
ERS1050T_470M	47.00	3.7	5.0	138.00	145.00
ERS1050T_680M	68.00	3.2	4.5	216.00	228.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR: ERS1080T/H



	UNIT mm
A	10.5±1
B	10.3±0.3
C	8.0 Max
D	3.0±0.3

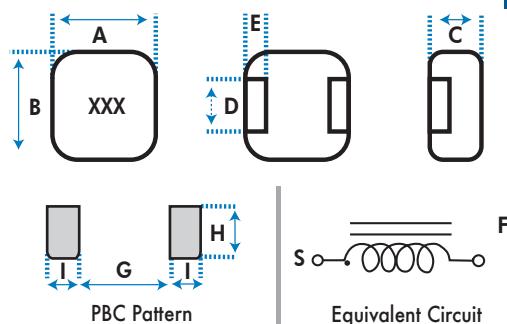
	UNIT mm
E	2.0±0.5
G	6.0 (REF)
H	4.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1080T/H_2R2M	2.20	18.0	23.0	4.40	5.30
ERS1080T/H_4R7M	4.70	16.0	18A drop 40%	7.30	8.50
ERS1080T/H_100M	10.00	11.0	19.0	16.50	20.00
ERS1080T/H_150M	15.00	10.0	16.0	25.50	32.00
ERS1080T/H_220M	22.00	9.0	14.0	31.00	37.00
ERS1080T/H_470M	47.00	5.0	10.0	81.00	90.00
ERS1080T/H_680M	68.00	4.0	8.0	112.00	123.00
ERS1080T/H_220M_A	22.00	7.0	10.0	34.50	41.00
ERS1080T/H_3R3M	3.30	16.6	16.0	5.70	6.50
ERS1080T/H_4R7M_A	4.70	13.5	10.2	8.80	10.10
ERS1080T/H_6R8M	6.80	11.5	14.0	13.00	14.00
ERS1080T/H_220M_B	22.00	7.0	9.5	33.00	38.00
ERS108T/H_470M_A	47.00	5.0	7.0	79.00	86.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS105840T

MOLDING POWER INDUCTOR:ERS105840H/T



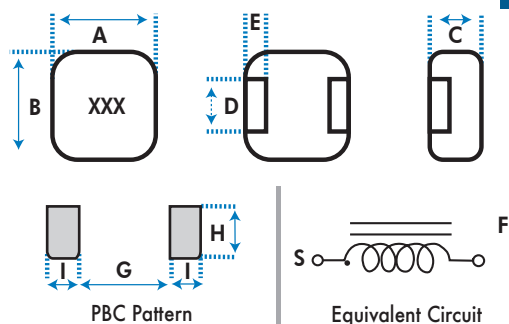
	UNIT mm
A	11.05±0.55
B	8.05 Max
C	4.0 Max
D	2.7±0.5

	UNIT mm
E	2.5±0.5
G	6.0 (REF)
H	5.5 (REF)
I	3.0 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS108050H/T



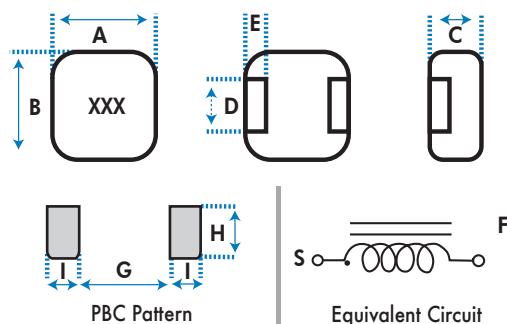
	UNIT mm
A	11.05±0.55
B	8.05 Max
C	5.0 Max
D	2.7±0.5

	UNIT mm
E	2.5±0.5
G	6.0 (REF)
H	5.5 (REF)
I	3.0 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1235T



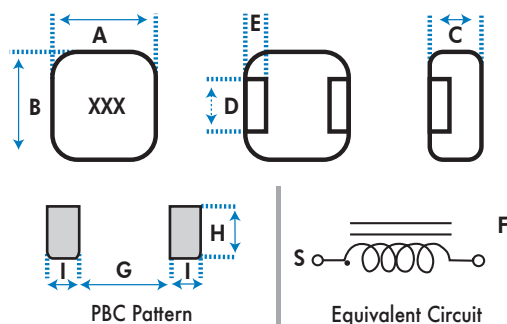
	UNIT mm
A	13.2±1.0
B	12.6±1.0
C	3.5 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	L0 Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1235T_R10M	0.10	48.0	90.0	0.65	0.85
ERS1235T_R15M	0.15	46.0	80.0	0.70	0.90
ERS1235T_R22M	0.22	44.0	75.0	0.78	0.96
ERS1235T_R33M	0.33	35.0	70.0	1.10	1.40
ERS1235T_R47M	0.47	33.0	52.5	1.20	1.50
ERS1235T_R68M	0.68	28.0	52.0	2.10	2.50
ERS1235T_R82M	0.82	23.0	48.0	2.50	3.50
ERS1235T_1R0M	1.00	20.0	43.0	2.60	3.50
ERS1235T_1R5M	1.50	19.0	40.0	4.70	5.50
ERS1235T_2R2M	2.20	16.0	32.0	7.60	9.00
ERS1235T_3R3M	3.30	13.0	28.0	11.00	13.50
ERS1235T_4R7M	4.70	11.0	22.0	13.00	15.00
ERS1235T_5R6M	5.60	10.0	20.0	19.20	23.00
ERS1235T_6R8M	6.80	9.0	16.0	20.00	25.00
ERS1235T_8R2M	8.20	8.5	15.0	26.00	32.00
ERS1235T_100M	10.00	7.0	14.0	29.50	34.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1235



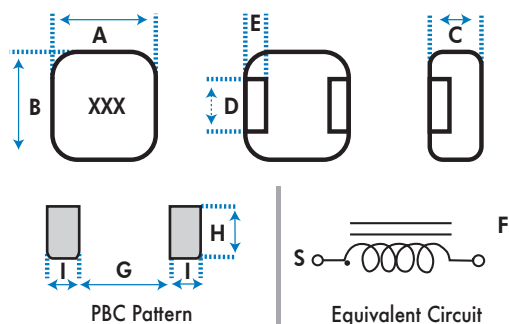
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	3.5 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1240

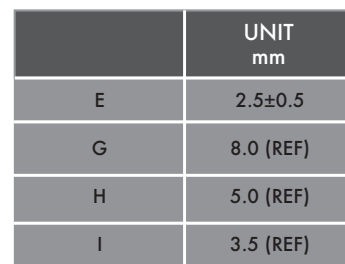


	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	4.0 Max
D	3.5±0.3 3.8±0.3

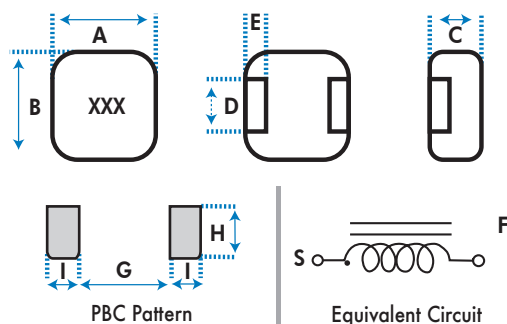
	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1240_R22M	0.22	32.0	50.0	0.70	0.90
ERS1240_R33M	0.33	26.0	45.0	1.20	1.50
ERS1240_R47M	0.47	23.0	40.0	1.30	1.60
ERS1240_R68M	0.68	21.0	35.0	1.70	2.10
ERS1240_1R0M	1.00	18.0	30.0	2.90	4.00
ERS1240_1R5M	1.50	13.0	22.0	4.40	5.50
ERS1240_2R2M	2.20	11.0	18.0	4.40	5.50
ERS1240_3R3M	3.30	9.0	14.0	6.70	8.50
ERS1240_4R7M	4.70	8.0	12.0	14.60	17.50
ERS1240_6R8M	6.80	6.0	10.0	21.00	25.00
ERS1240_8R2M	8.20	5.0	9.0	22.00	26.00
ERS1240_100M	10.00	4.0	80	27.00	32.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

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MOLDING POWER INDUCTOR: ERS1250



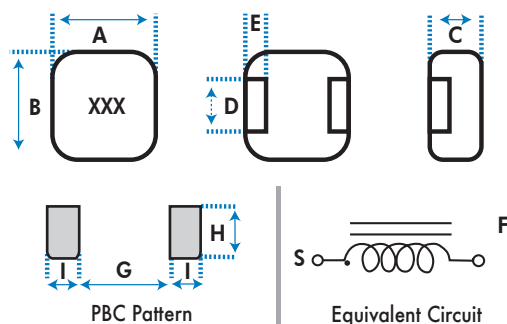
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	5.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1250_R33M	0.33	40.0	60.0	0.77	1.00
ERS1250_R36M	0.36	35.0	48.0	0.90	1.20
ERS1250_R47M	0.47	25.0	45.0	0.90	1.20
ERS1250_R56M	0.60	24.0	42.0	1.00	1.30
ERS1250_R68M	0.68	23.0	38.0	1.00	1.30
ERS1250_R82M	0.82	22.0	36.0	1.70	2.10
ERS1250_1R0M	1.00	20.0	32.0	2.10	2.60
ERS1250_1R2M	1.20	18.0	30.0	2.10	2.60
ERS1250_1R5M	1.50	15.0	28.0	2.60	3.10
ERS1250_2R2M	2.20	14.0	25.0	4.80	6.00
ERS1250_3R3M	3.30	13.0	22.0	6.50	7.80
ERS1250_4R7M	4.70	12.0	18.0	8.30	10.00
ERS1250_5R6M	5.60	9.0	15.0	8.50	10.50
ERS1250_6R8M	6.80	8.0	14.0	12.00	15.00
ERS1250_8R2M	8.20	7.5	13.0	18.00	22.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1250T



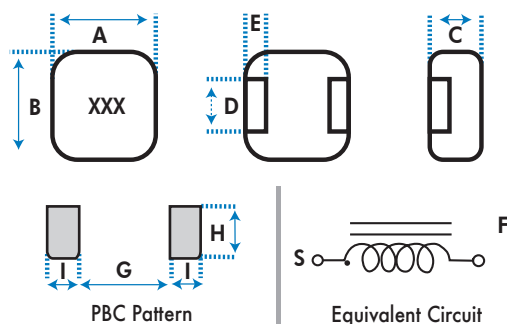
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	5.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	L0 Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1250T_R10M	0.10	50.0	90.0	0.26	0.40
ERS1250T_R33M	0.33	42.0	85.0	0.75	1.10
ERS1250T_R36M	0.36	41.0	80.0	0.82	1.10
ERS1250T_R47M	0.47	40.0	75.0	0.90	1.20
ERS1250T_R68M	0.68	35.0	65.0	1.00	1.30
ERS1250T_R82M	0.82	32.0	60.0	1.70	2.20
ERS1250T_1R0M	1.00	29.0	55.0	2.10	2.50
ERS1250T_1R5M	1.50	25.0	50.0	2.70	3.50
ERS1250T_2R2M	2.20	20.0	40.0	4.30	5.50
ERS1250T_3R3M	3.30	16.0	35.0	7.20	9.00
ERS1250T_4R7M	4.70	13.0	33.0	10.40	13.00
ERS1250T_6R8M	6.80	12.0	25.0	15.00	18.00
ERS1250T_100M	10.00	10.0	18.0	25.50	30.00
ERS1250T_220M	22.00	7.0	11.0	45.00	53.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1250H



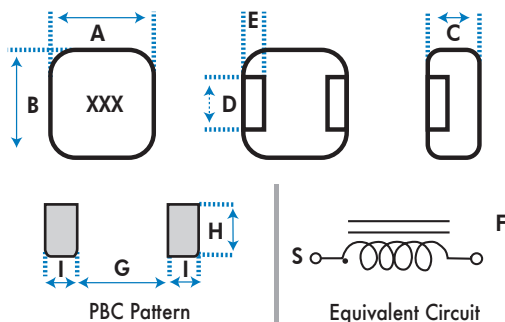
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	5.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1250H_R33M	0.33	35.0	55.0	0.85	1.10
ERS1250TH_R36M	0.36	34.0	53.0	0.85	1.10
ERS1250H_R47M	0.47	32.0	50.0	0.90	1.20
ERS1250H_R56M	0.56	30.0	45.0	1.20	1.60
ERS1250H_R68M	0.68	28.0	40.0	1.70	2.20
ERS1250H_1R0M	1.00	25.0	30.0	2.00	2.50
ERS1250H_1R2M	1.20	23.0	29.0	2.10	2.60
ERS1250H_1R5M	1.50	21.0	28.0	2.60	3.20
ERS1250H_2R2M	2.20	19.0	24.0	3.70	4.80
ERS1250H_3R3M	3.30	15.0	22.0	7.40	9.00
ERS1250H_4R7M	4.70	13.0	17.0	8.00	10.00
ERS1250H_6R8M	6.80	9.0	11.0	13.60	16.00
ERS1250H_100M	10.00	7.5	9.0	22.50	27.00
ERS1250H_220M	22.00	6.0	8.0	45.00	53.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1260



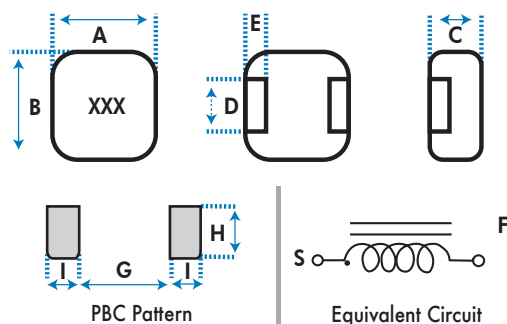
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1260_R47M	0.47	35.0	48.0	0.94	1.20
ERS1260_R68M	0.68	30.0	42.0	1.10	1.40
ERS1260_R82M	0.82	25.0	40.0	1.10	1.40
ERS1260_1R0M	1.00	23.0	34.0	2.10	2.60
ERS1260_1R5M	1.50	20.0	30.0	2.10	2.60
ERS1260_2R2M	2.20	17.0	25.0	3.70	4.50
ERS1260_3R3M	3.30	15.0	25.0	5.00	6.00
ERS1260_4R7M	4.70	14.0	20.0	7.50	9.00
ERS1260_5R6M	5.60	12.0	18.0	8.30	10.50
ERS1260_6R8M	6.80	10.0	16.0	8.50	10.50
ERS1260_8R2M	8.20	9.0	15.0	11.00	15.00
ERS1260_100M	10.00	8.0	13.0	13.00	15.50
ERS1260_150M	15.00	6.5	11.0	18.00	21.50
ERS1260_220M	22.00	7.0	9.0	33.00	39.00
ERS1260_270M	27.00	5.5	8.0	35.00	41.00
ERS1260_330M	33.00	5.0	7.0	41.00	48.00
ERS1260_470M	47.00	3.5	5.5	59.00	66.00
ERS1260_680M	68.00	3.0	4.5	96.00	105.00
ERS1260_101M	100.00	2.0	3.5	133.00	148.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1260T



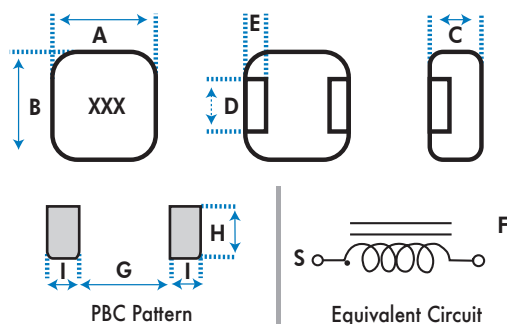
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1260T_R33M	0.33	45.0	90.0	0.75	1.00
ERS1260T_R47M	0.47	42.0	85.0	1.00	1.30
ERS1260T_R68M	0.68	36.0	70.0	1.10	1.40
ERS1260T_R82M	0.82	33.0	65.0	2.00	2.50
ERS1260T_1R0M	1.00	32.0	60.0	2.10	2.60
ERS1260T_1R5M	1.50	27.0	52.0	2.60	3.30
ERS1260T_2R2M	2.20	23.0	46.0	4.70	6.00
ERS1260T_2R7M	2.70	23.0	44.0	5.90	7.50
ERS1260T_3R3M	3.30	18.0	43.0	6.20	8.00
ERS1260T_4R7M	4.70	15.0	30.0	7.50	9.50
ERS1260T_6R8M	6.80	13.0	26.0	12.80	15.00
ERS1260T_8R2M	8.20	12.5	25.0	14.80	16.50
ERS1260T_100M	10.00	11.0	20.0	15.80	18.00
ERS1260T_150M	15.00	9.0	18.0	20.00	23.00
ERS1260T_220M_17A	22.00	9.0	17.0	28.00	35.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1260H



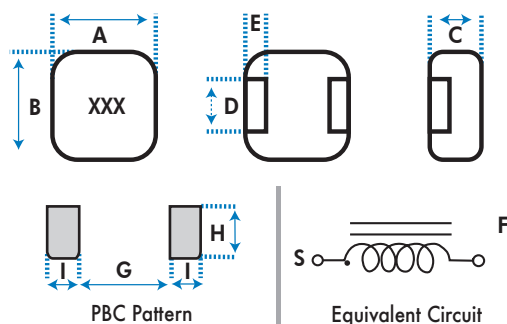
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1260H_R15M	0.15	50.0	85.0	0.45	0.60
ERS1260H_R22M	0.22	45.0	80.0	0.50	0.65
ERS1260H_R33M	0.33	40.0	68.0	0.70	0.90
ERS1260H_R47M	0.47	35.0	55.0	0.80	1.00
ERS1260H_R68M	0.68	30.0	42.0	1.10	1.40
ERS1260H_R82M	0.82	28.0	40.0	2.05	2.50
ERS1260H_1R0M	1.00	26.0	33.0	2.10	2.60
ERS1260H_2R2M	2.20	20.0	25.0	4.70	6.00
ERS1260H_3R3M	3.30	16.0	24.0	6.30	7.50
ERS1260H_4R7M	4.70	15.0	20.0	6.50	8.50
ERS1260H_5R6M	5.60	13.0	18.0	8.00	10.00
ERS1260H_6R8M	6.80	11.0	16.0	11.80	14.50
ERS1260H_100M	10.00	10.0	15.0	14.80	18.00
ERS1260H_150M	15.00	8.7	12.0	24.00	27.50
ERS1260H_220M	22.00	8.0	10.0	37.00	42.50
ERS1260H_330M	33.00	5.6	8.0	65.50	73.00
ERS1260H_470M	47.00	5.0	7.0	83.00	90.00
ERS1260H_680M	68.00	3.5	5.5	110.00	122.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1265



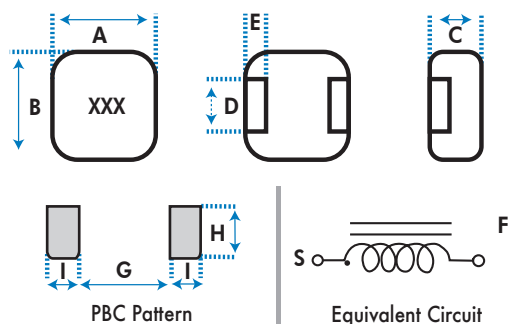
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.5 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current Irms (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1265_R47M	0.47	36.0	50.0	0.85	1.00
ERS1265_1R0M	1.00	25.0	36.0	1.40	1.80
ERS1265_1R2M	1.20	22.0	34.0	2.00	2.50
ERS1265_1R5M	1.50	20.0	30.0	2.10	2.60
ERS1265_2R2M	2.20	18.0	26.0	3.60	4.50
ERS1265_3R3M	3.30	16.0	24.0	5.00	6.00
ERS1265_4R7M	4.70	15.0	22.0	6.50	8.50
ERS1265_5R6M	5.60	13.0	20.0	8.50	10.50
ERS1265_6R8M	6.80	11.0	18.0	8.50	10.50
ERS1265_8R2M	8.20	10.5	17.0	10.00	12.50
ERS1265_100M	10.00	9.0	14.0	11.20	13.50
ERS1265_150M	15.00	7.0	12.0	20.00	23.00
ERS1265_180M	18.00	7.0	11.0	29.50	35.00
ERS1265_220M	22.00	6.5	10.0	31.50	38.00
ERS1265_330M	33.00	6.0	9.0	44.00	52.00
ERS1265_470M	47.00	5.0	6.0	59.00	68.00
ERS1265_560M	56.00	4.5	6.0	82.00	93.00
ERS1265_680M	68.00	4.0	5.0	87.00	98.00
ERS1265_820M	82.00	3.5	4.5	96.00	108.00

- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- Irms: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1265



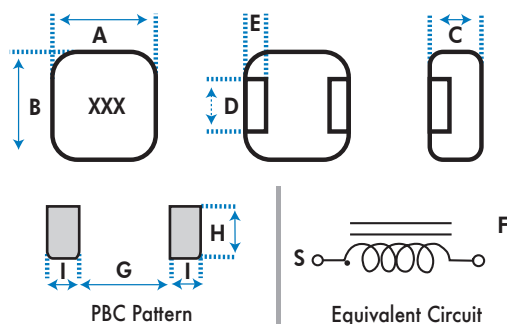
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.5 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1265T



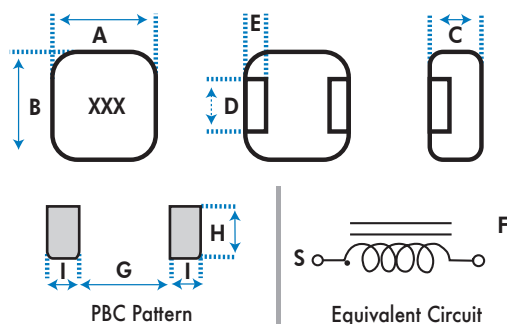
	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.5 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μ H) $\pm 20\%$ (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1265T_R15M	0.15	60.0	120.0	0.37	0.50
ERS1265T_R22M	0.22	50.0	110.0	0.50	0.60
ERS1265T_R33M	0.33	48.0	100.0	0.60	0.80
ERS1265T_R47M	0.47	45.0	90.0	0.80	1.10
ERS1265T_R56M	0.56	40.0	80.0	1.00	1.30
ERS1265T_R68M	0.68	36.0	72.0	1.40	1.80
ERS1265T_1R0M	1.00	32.0	60.0	1.70	2.20
ERS1265T_1R5M	1.50	26.0	55.0	2.50	3.20
ERS1265T_2R2M	2.20	22.0	53.0	4.30	5.00
ERS1265T_3R3M	3.30	19.0	40.0	5.30	6.50
ERS1265T_4R7M	4.70	16.0	38.0	7.60	9.50
ERS1265T_5R6M	5.60	15.0	34.0	9.50	11.50
ERS1265T_6R8M	6.80	13.0	30.0	11.40	14.00
ERS1265T_8R2M	8.20	12.5	26.0	12.00	14.50
ERS1265T_100M	10.00	12.0	21.0	12.50	15.00
ERS1265T_150M	15.00	10.0	19.0	20.00	23.00
ERS1265T_220M	22.00	9.0	16.0	35.50	42.00
ERS1265T_330M	33.00	8.0	13.0	47.00	55.00
ERS1265T_470M	47.00	6.0	12.0	90.00	105.00
ERS1265T_560M	56.00	5.5	10.0	100.00	120.00
ERS1265T_680M	68.00	5.0	8.0	103.00	120.00

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1265H

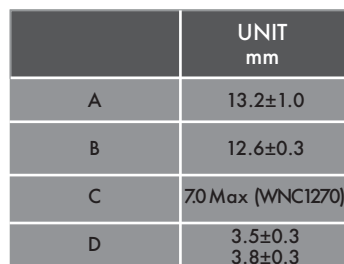


	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	6.5 Max (WNC1265)
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

PART NUMBER	LO Inductance (μH) ±20% (0a)	Heat Rating Current I _{rms} (A)	Isat (A) drop 30%	DCR (m Ω)	
				TYP. (25 °C)	MAX (25 °C)
ERS1265H_1R0M	1.00	25.0	35.0	1.50	1.80
ERS1265H_1R2M	1.20	23.0	30.0	1.70	2.10
ERS1265H_2R2M	2.20	21.0	26.0	3.80	5.00
ERS1265H_3R3M	3.30	17.0	22.0	5.60	6.50
ERS1265H_4R7M	4.70	16.0	21.0	7.30	9.00
ERS1265H_5R6M	5.60	14.0	19.0	8.50	10.50
ERS1265H_6R8M	6.80	12.0	18.0	11.70	14.50
ERS1265H_100M	10.00	10.0	15.0	15.20	18.0
ERS1265H_150M	15.00	9.0	14.0	20.00	23.00
ERS1265H_220M	22.00	8.0	12.0	35.00	42.00
ERS1265H_330M	33.00	6.0	9.0	59.00	65.00
ERS1265H_470M	47.00	5.0	7.0	91.00	103.00

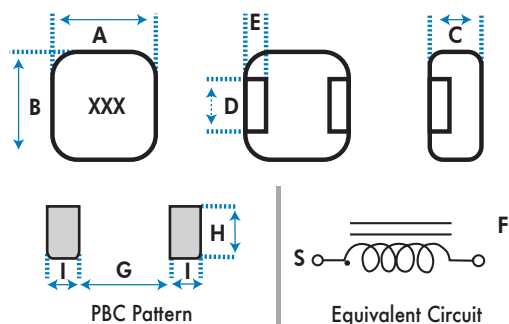
- If you require another part number, please contact us.
- Inductance Tolerance ± 20% ;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- Isat: DC current (A) that will cause Lo to drop approximately 30%.
- We can design according to customer's request.



	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

MOLDING POWER INDUCTOR: ERS1280T



	UNIT mm
A	13.2±1.0
B	12.6±0.3
C	8.0 Max
D	3.5±0.3 3.8±0.3

	UNIT mm
E	2.5±0.5
G	8.0 (REF)
H	5.0 (REF)
I	3.5 (REF)

[illegible]

- If you require another part number, please contact us.
- Inductance Tolerance $\pm 20\%$;Frequency Test: 100KHz/1.0v.
- All test data is referenced to 25°C ambient.
- I_{rm}: DC current (A) that will cause an approximate ΔT of 40°C.
- I_{sat}: DC current (A) that will cause L_o to drop approximately 30%.
- We can design according to customer's request.

