L5105 Series

1. Features:

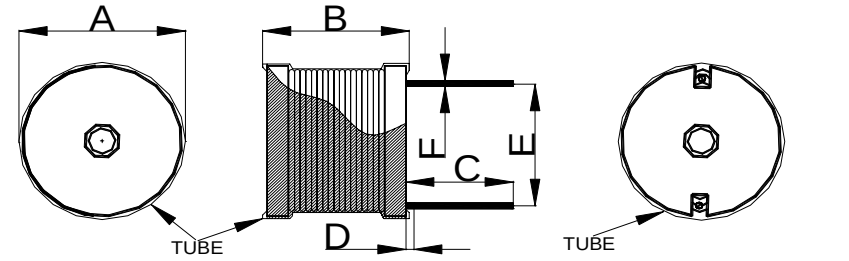
· Power Line Chokes offer cost effective solution with wide inductance value from 680uH to 47000uH,custom values are welcomed ;

· High current output chokes, up to 14 Amp for 680uH ;

· Ideal for Switching Regulators, Power Amplifiers,RFI Suppression,Filters, Power Supplies,Speaker Crossover Networks,SCR and Triac Controls ;

· Operating Temperature Range -55°C to + 130°C; RoHs compliance ;

2. Mechanical Dimension(Unit:mm):



TOP VIEW FRONT VIEW BOTTOM VIEW

Type	L5105
A	50.0 (Max.)
B	38.0 (Max.)
C	5.0 ± 1.0
D	0.5 (Max.)
E	see below table
F	see below table

3. Electrical Characteristic of L5105 Series:

Part Number	OCL (uH) ±10%	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Isat (A) @25℃	L@Isat (uH) Typ.	Irms (A) @25℃	L@Irms (uH) Typ.	E (mm) (REF)	F (mm) ± 0.1
L5105-681KU	680	66.5	76.5	14.0	658.6	11.4	674.7	36.0	1.5
L5105-122KU	1200	128.2	147.5	11.0	1159	9.0	1188.0	34.5	1.3
L5105-182KU	1800	185.7	214.0	8.5	1730	7.2	1778.7	33.5	1.2
L5105-222KU	2200	222.5	256.0	7.6	2105.9	7.2	2147.9	35.5	1.2
L5105-272KU	2700	268.7	309.0	7.2	2604.0	5.5	2681.0	34.5	1.1
L5105-392KU	3900	398.7	459.0	6.0	3755.0	4.5	3875.8	34.5	1.0
L5105-562KU	5600	488.5	562.0	5.5	5420.7	4.5	5541.0	34.5	1.0
L5105-103KU	10000	818.4	941.5	3.7	9696.8	4.0	9346.5	36.8	0.9
L5105-123KU	12000	1089.1	1253.0	3.3	11548.5	2.8	11871.4	35.5	0.8
L5105-153KU	15000	1246.8	1434.0	3.0	14532.5	2.8	14751.0	35.5	0.8
L5105-183KU	18000	1697	1952.0	2.8	17226.0	2.75	17400.0	35.5	0.7
L5105-223KU	22000	1929	2218.5	2.5	21095.5	2.0	21720.0	35.5	0.7
L5105-273KU	27000	2795	3214.5	2.1	26115.5	1.7	26613.7	34.8	0.6
L5105-333KU	33000	3197	3677.0	2.0	31810.5	1.7	32430.0	34.8	0.6
L5105-393KU	39000	3490	4014.0	1.8	37975.7	1.4	38636.0	34.5	0.6
L5105-473KU	47000	5086	5849.0	1.6	45643.9	1.4	46282.3	34.5	0.5

Note:

1>.Open Circuit Inductance(OCL) and L@ Irms and L @Isat are measured at: 10KHz, 1.0V ;(Ta=25℃).

2>.Isat: DC current that causes inductance to drop approximately by 5% from OCL ;(Ta=25℃).

3>. Irms: DC current for an approximate temperature rise of 20℃ without core loss ;

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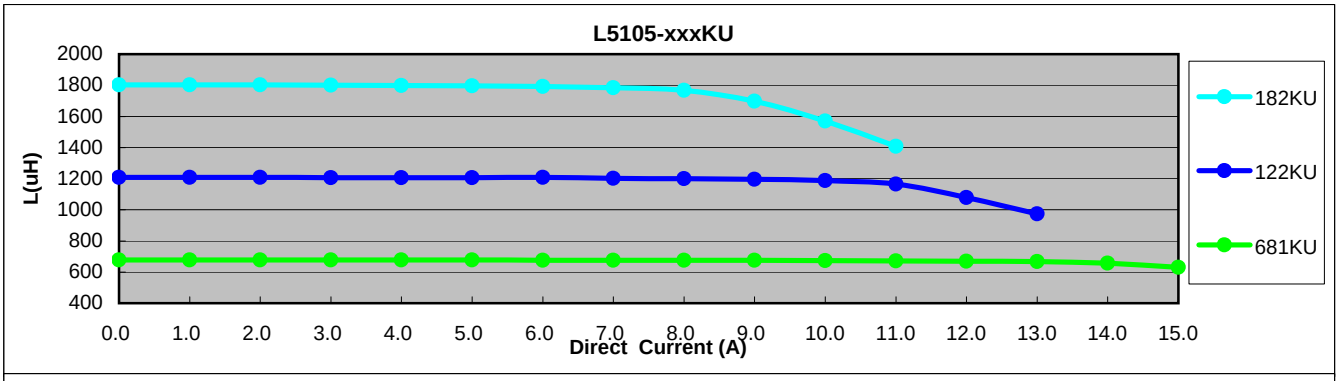
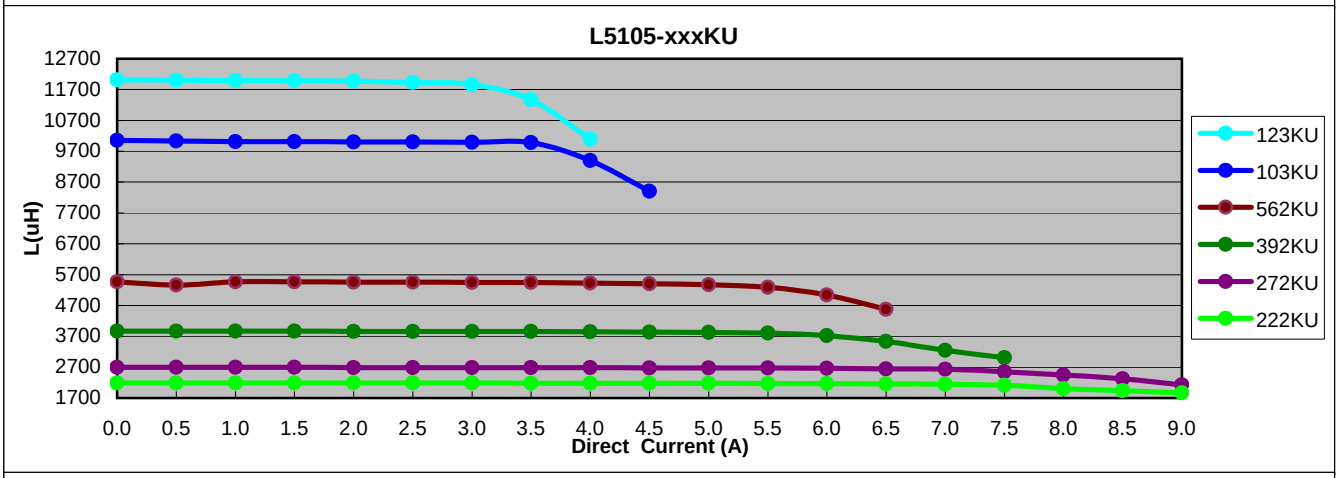
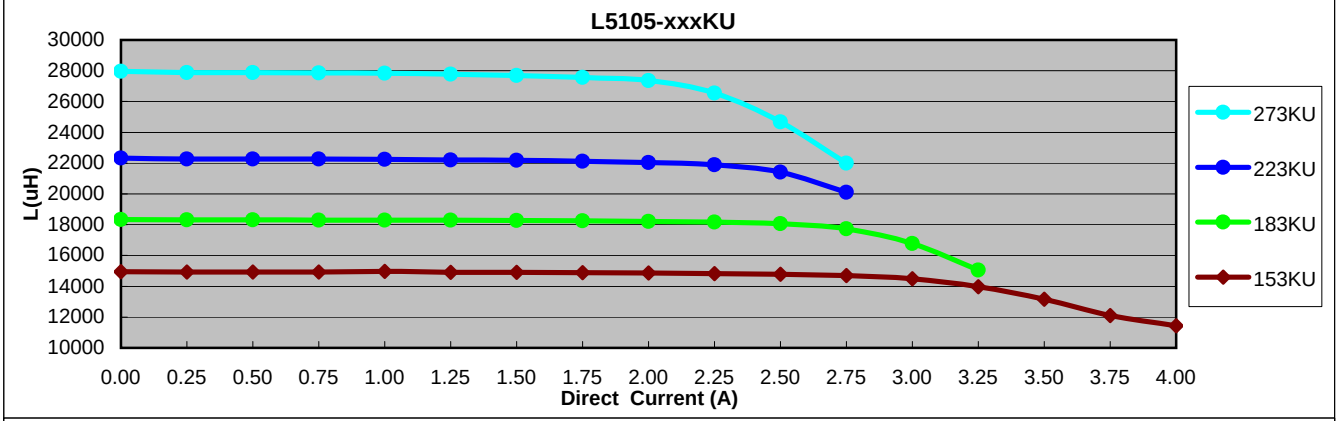
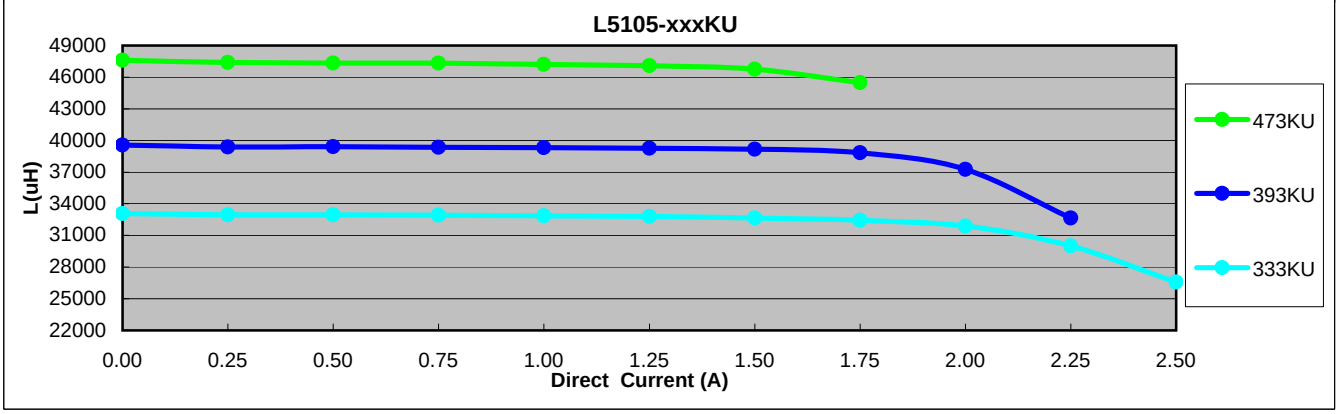
L5105 Series

Inductance vs. Current









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