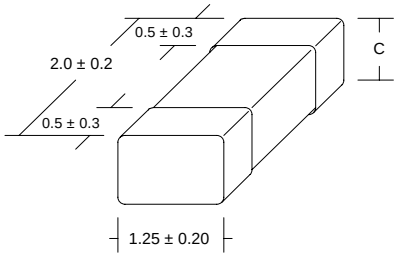
High Frequency Multilayer Chip Inductor **(LSMH-2012 Series)**

CALIBER ELECTRONICS INC.
specifications subject to change * revision 3-2003

Dimensions

Remarks	C
< 120 nH	0.9 ± 0.2
≥ 120 nH	1.2 ± 0.3



(Not to scale)

Dimensions in mm

Part Numbering Guide

LSMH - 2012 - 3N3 K - T

Dimensions
(Length, Width)

Inductance Code

Packaging Style
B=Bulk
T=Tape & Reel

Tolerance
S=0.3nH, J=5%, K=10%, M=20%

Features

Inductance Range	1.5 nH to 470 nH
Tolerance	0.3 nH, 5%, 10%, 20%
Operating Temperature	-25°C to +85°C

Electrical Specifications

Inductance Code	Inductance (nH)	Available Tolerance	Q Min	LQ Test Freq (MHz)	SRF (MHz)	RDC (mA)	IDC (mA)
1N5	1.5	S	13	100	6000	0.10	500
1N8	1.8	S	13	100	6000	0.10	500
2N2	2.2	S	13	100	6000	0.10	500
2N7	2.7	S	13	100	6000	0.10	500
3N3	3.3	J, K, M	15	100	6000	0.13	500
3N9	3.9	J, K, M	15	100	5400	0.15	500
4N7	4.7	J, K, M	15	100	4500	0.20	500
5N6	5.6	J, K, M	15	100	4000	0.23	500
6N8	6.8	J, K, M	15	100	3650	0.25	500
8N2	8.2	J, K, M	15	100	3000	0.28	500
10N	10	J, K, M	16	100	2500	0.30	500
12N	12	J, K, M	16	100	2450	0.35	400
15N	15	J, K, M	17	100	2000	0.40	400
18N	18	J, K, M	17	100	1750	0.45	400
22N	22	J, K, M	17	100	1700	0.50	400
27N	27	J, K, M	18	100	1550	0.55	400
33N	33	J, K, M	18	100	1350	0.60	400
39N	39	J, K, M	18	100	1300	0.65	400
47N	47	J, K, M	18	100	1200	0.70	400
56N	56	J, K, M	19	100	1150	0.75	400
68N	68	J, K, M	19	100	1000	0.80	400
82N	82	J, K, M	20	100	850	0.90	400
R10	100	J, K, M	20	100	730	1.00	400
R12	120	J, K, M	20	100	650	1.30	300
R15	150	J, K, M	20	100	550	1.50	300
R18	180	J, K, M	20	100	500	1.80	300
R22	220	J, K, M	20	100	450	2.00	300
R27	270	J, K, M	20	100	400	2.00	300
R33	330	J, K, M	20	100	380	3.00	200
R39	390	J, K, M	20	100	330	3.50	200
R47	470	J, K, M	20	100	300	4.00	200

Specifications subject to change without notice. Rev. 10/00

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