

IMCH Series

Multilayer Chip Inductors for High Frequency – IMCH100505, IMCH160808, IMCH201209

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FEATURES

- To prevent EMI interference noises between.
- High Q and high reliability and ceramic.

APPLICATION

- Notebook computer, Computer Devices, Color TV, Video, Video Camera, etc.

ORDERING CODE

IMCH100505 **K** **22N** **I**
(1) (2) (3) (4)

(1) Multilayer Chip Inductors for High Frequency

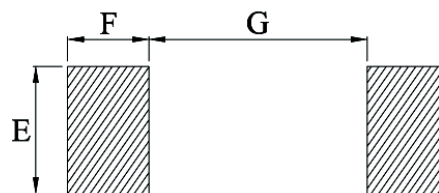
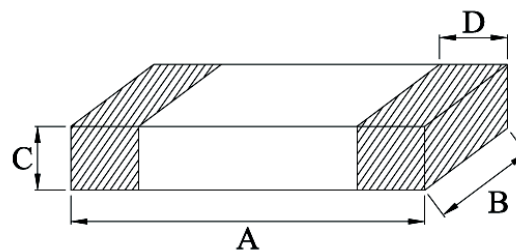
IMCH100505(0402)
IMCH160808(0603)
IMCH201209(0805)

(2) Tolerance Code
S: 0.3nH J: 5%
K: 10% M: 20%

(3) Inductance: nH

(4) Package

Configurations:



Land Pattern

Dimension (mm)

Item	A	B	C	D	E	F	G
IMCH100505	1.00 ±0.1	0.50 ±0.1	0.50 ±0.1	0.1	0.50	0.45	0.50
IMCH160808	1.60 ±0.2	0.80 ±0.2	0.8 ±0.2	0.3 ±0.1	0.70	0.70	0.70
IMCH201209	2.0 ±0.2	1.2 ±0.2	0.9 ±0.2	0.5 ±0.3	1.0	0.80	1.00

Inductance Range

Item	nH
IMCH100505	1.20 ~ 47.00
IMCH160808	1.20 ~ 100.00
IMCH201209	1.50 ~ 100.00

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Multilayer Chip Inductors for High Frequency – IMCH100505

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Electrical Characteristics for IMCH100505(0402) Series

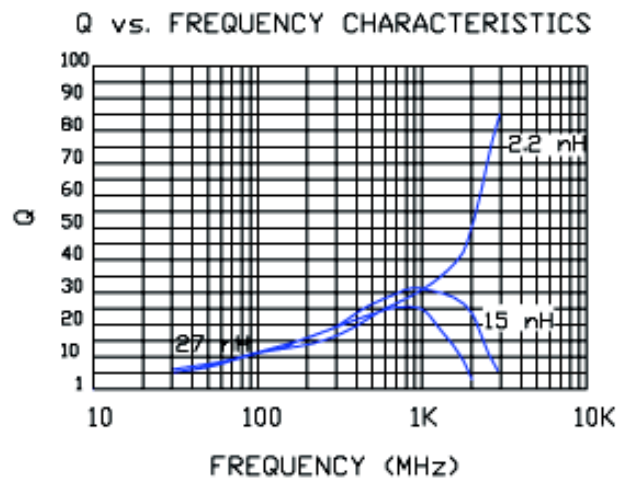
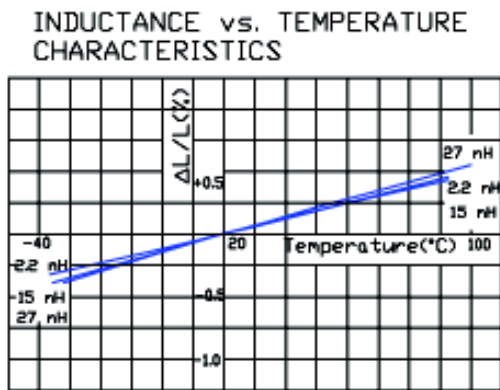
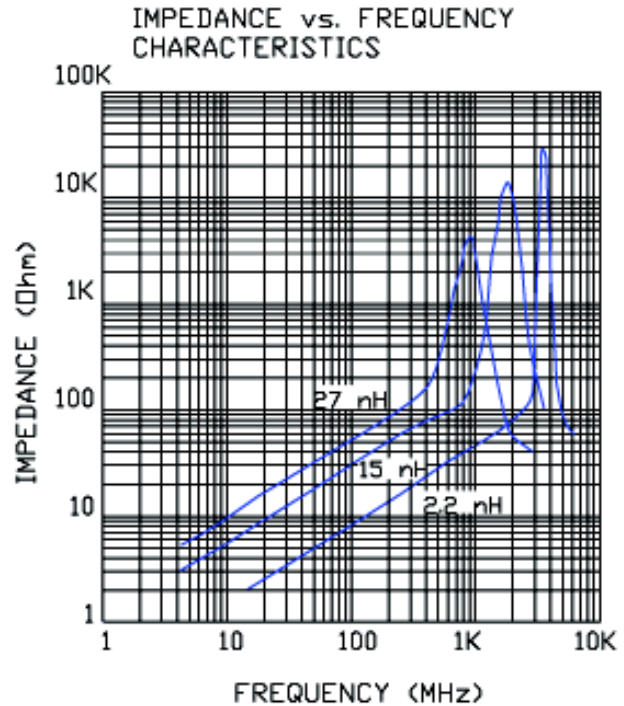
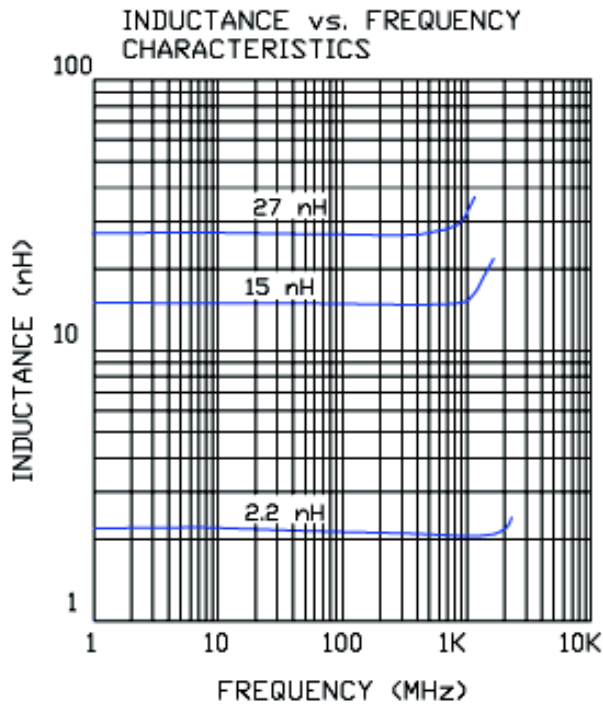
Part Number	Inductance (nH)	Freq. (MHz)	Tolerance	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCH100505□1N2	1.20	100	S	12000	0.10	300
IMCH100505□1N5	1.50	100	S	10500	0.10	300
IMCH100505□1N8	1.80	100	S	9400	0.10	300
IMCH100505□2N2	2.20	100	S	8700	0.20	300
IMCH100505□2N7	2.70	100	S	7700	0.20	300
IMCH100505□3N3	3.30	100	S, K	6800	0.30	300
IMCH100505□3N9	3.90	100	S, K	6300	0.30	300
IMCH100505□4N7	4.70	100	S, K	5700	0.40	300
IMCH100505□5N6	5.60	100	S, K	5100	0.40	300
IMCH100505□6N8	6.80	100	J, K	4550	0.50	300
IMCH100505□8N2	8.20	100	J, K	4100	0.50	300
IMCH100505□10N	10.00	100	J, K	3750	0.60	300
IMCH100505□12N	12.00	100	J, K	2950	0.60	300
IMCH100505□15N	15.00	100	J, K	2600	0.70	300
IMCH100505□18N	18.00	100	J, K	2350	0.80	300
IMCH100505□22N	22.00	100	J, K	1950	0.90	300
IMCH100505□27N	27.00	100	J, K	1750	1.00	300
IMCH100505□33N	33.00	100	J, K	1700	1.50	200
IMCH100505□39N	39.00	100	J, K	1650	1.80	200
IMCH100505□47N	47.00	100	J, K	1300	2.00	200

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Multilayer Chip Inductors for High Frequency – IMCH100505

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Multilayer Chip Inductors for High Frequency– IMCH160808

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Electrical Characteristics for IMCH160808(0603) Series

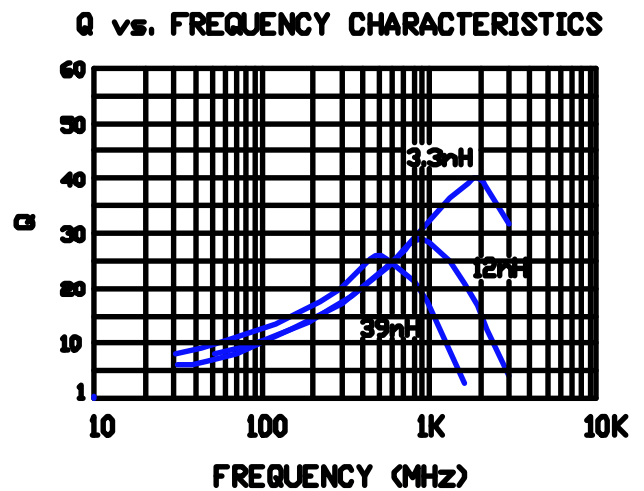
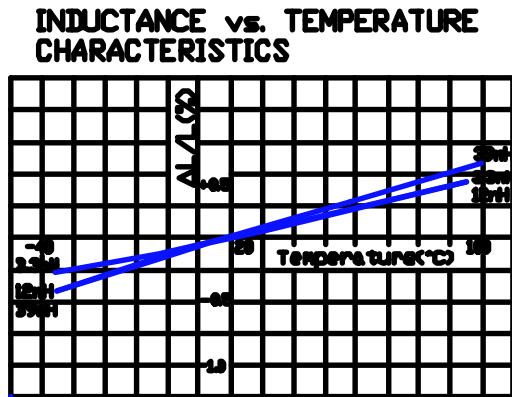
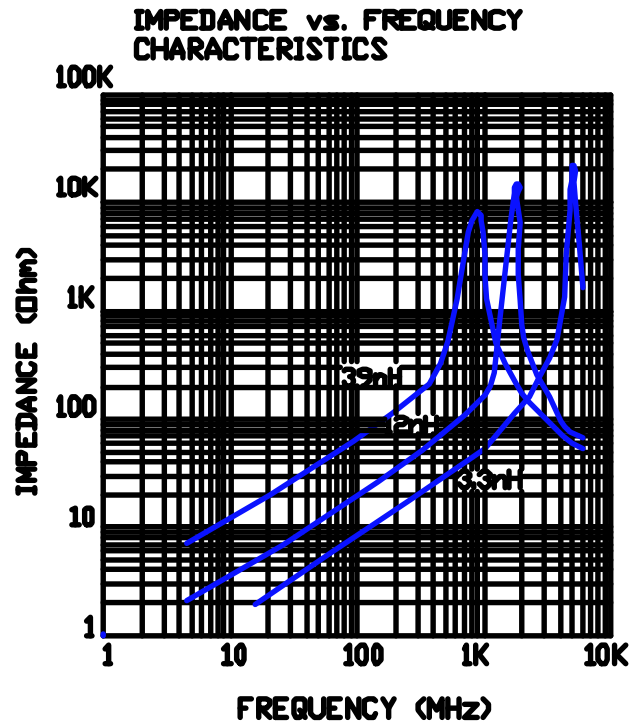
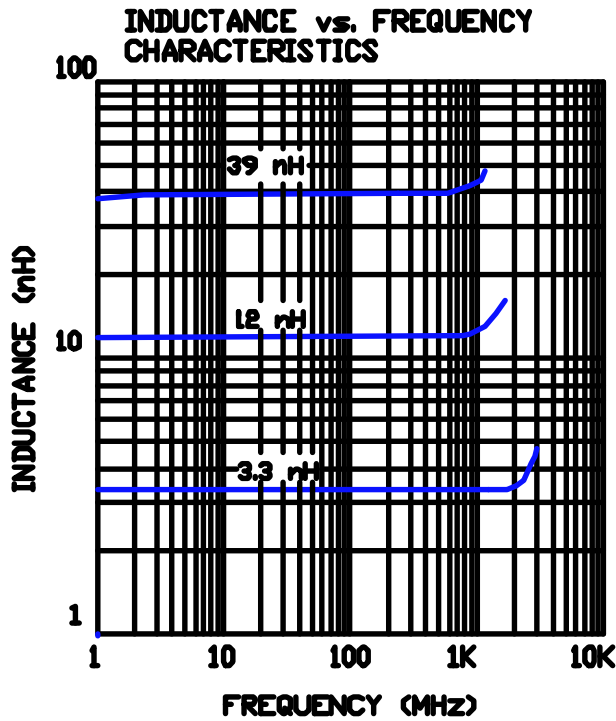
Part Number	Inductance (nH)	Freq. (MHz)	Tolerance	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCH160808□1N2	1.20	100	S	>6000	0.12	300
IMCH160808□1N5	1.50	100	S	>6000	0.12	300
IMCH160808□1N8	1.80	100	S	>6000	0.12	300
IMCH160808□2N2	2.20	100	S	>6000	0.16	300
IMCH160808□2N7	2.70	100	S	>6000	0.20	300
IMCH160808□N3	3.30	100	S, K	5700	0.22	300
IMCH160808□3N9	3.90	100	S, K	5600	0.25	300
IMCH160808□4N7	4.70	100	S, K	4800	0.28	300
IMCH160808□5N6	5.60	100	S, K	4350	0.29	300
IMCH160808□6N8	6.80	100	J, K	3750	0.30	300
IMCH160808□8N2	8.20	100	J, K	3300	0.33	300
IMCH160808□10N	10.00	100	J, K	2850	0.35	300
IMCH160808□12N	12.00	100	J, K	2700	0.40	300
IMCH160808□15N	15.00	100	J, K	2400	0.45	300
IMCH160808□18N	18.00	100	J, K	2050	0.50	300
IMCH160808□22N	22.00	100	J, K	1850	0.55	300
IMCH160808□27N	27.00	100	J, K	1750	0.60	300
IMCH160808□33N	33.00	100	J, K	1500	0.65	300
IMCH160808□39N	39.00	100	J, K	1350	0.70	300
IMCH160808□47N	47.00	100	J, K	1200	0.90	300
IMCH160808□56N	56.00	100	J, K	1100	1.00	300
IMCH160808□68N	68.00	100	J, K	1000	1.50	300
IMCH160808□82N	82.00	100	J, K	900	1.80	300
IMCH160808□R10	100.00	100	J, K	830	2.10	300

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Multilayer Chip Inductors for High Frequency— IMCH160808

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Multilayer Chip Inductors for High Frequency – IMCH201209

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Electrical Characteristics for IMCH201209(0805) Series

Part Number	Inductance (nH)	Freq. (MHz)	Tolerance	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCH201209□1N5	1.50	100	S	>6000	0.10	300
IMCH201209□1N8	1.80	100	S	>6000	0.10	300
IMCH201209□2N2	2.20	100	S	>6000	0.10	300
IMCH201209□2N7	2.70	100	S	>6000	0.10	300
IMCH201209□3N3	3.30	100	S, K	>6000	0.13	300
IMCH201209□3N9	3.90	100	S, K	5400	0.15	300
IMCH201209□4N7	4.70	100	S, K	4500	0.20	300
IMCH201209□5N6	5.60	100	S, K	4000	0.23	300
IMCH201209□6N8	6.80	100	J, K	3650	0.25	300
IMCH201209□8N2	8.20	100	J, K	3000	0.28	300
IMCH201209□10N	10.00	100	J, K	2500	0.30	300
IMCH201209□12N	12.00	100	J, K	2450	0.35	300
IMCH201209□15N	15.00	100	J, K	2000	0.40	300
IMCH201209□18N	18.00	100	J, K	1750	0.45	300
IMCH201209□22N	22.00	100	J, K	1700	0.50	300
IMCH201209□27N	27.00	100	J, K	1550	0.55	300
IMCH201209□33N	33.00	100	J, K	1350	0.60	300
IMCH201209□39N	39.00	100	J, K	1300	0.65	300
IMCH201209□47N	47.00	100	J, K	1200	0.70	300
IMCH201209□56N	56.00	100	J, K	1150	0.75	300
IMCH201209□68N	68.00	100	J, K	1000	0.85	300
IMCH201209□82N	82.00	100	J, K	850	0.90	300
IMCH201209□R10	100.00	100	J, K	730	1.00	300

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