

IMCG Series

Chip Inductors – Multilayer Chip Inductors – For General

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FEATURES

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

APPLICATION

- Notebook Computer, Computer Devices, Color TV, Video Camera, DVD player, etc..

ORDERING CODE

IMCG **160808** **K** **R33** **T**
(1) (2) (3) (4) (5)

(1) Multilayer Chip Inductors

(2) Case Size: A+B+C (mm)

160808
201209
201212
321611

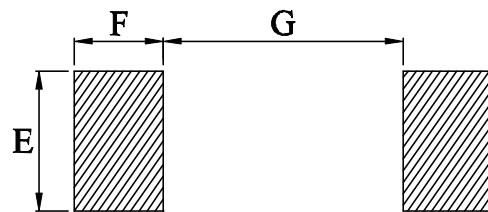
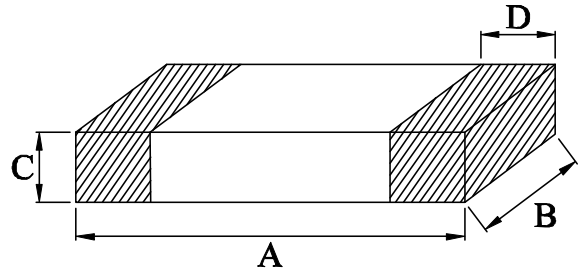
(3) Tolerance Code:

S: 0.3 nH, J: 5%, K: 10%
M: 20%

(4) Inductance

(5) Package

Configurations:



Land Pattern

Dimension (mm)

Item	A	B	C	D	E	F	G
IMCG160808	1.6±0.2	0.8±0.2	0.8±0.2	0.3±0.2	0.7	0.7	0.7
IMCG201209	2.0±0.2	1.2±0.2	0.9±0.2	0.5±0.3	1.0	0.8	1.0
IMCG201212	2.0±0.2	1.2±0.2	1.2±0.2	0.5±0.3	1.0	0.8	1.0
IMCG321611	3.2±0.2	1.6±0.2	1.1±0.2	0.5±0.3	1.4	1.1	2.2

Inductance Range

Item	μH
IMCG160808	0.047 ~ 2.20
IMCG201209	0.047 ~ 10.00
IMCG201212	0.047 ~ 10.00
IMCG321611	0.047 ~ 10.00

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Chip Inductors – Multilayer Chip Inductors – IMCG160808

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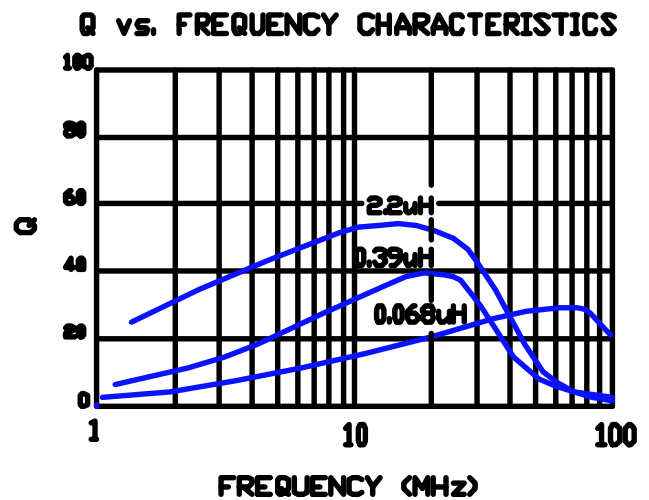
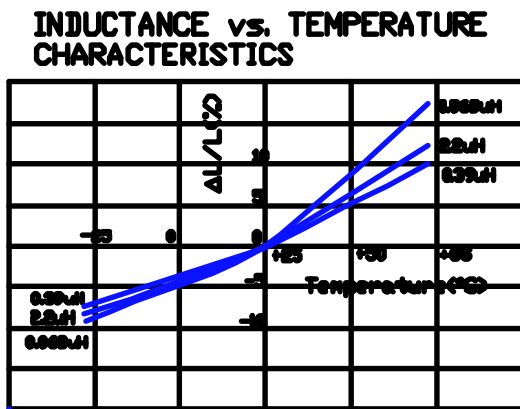
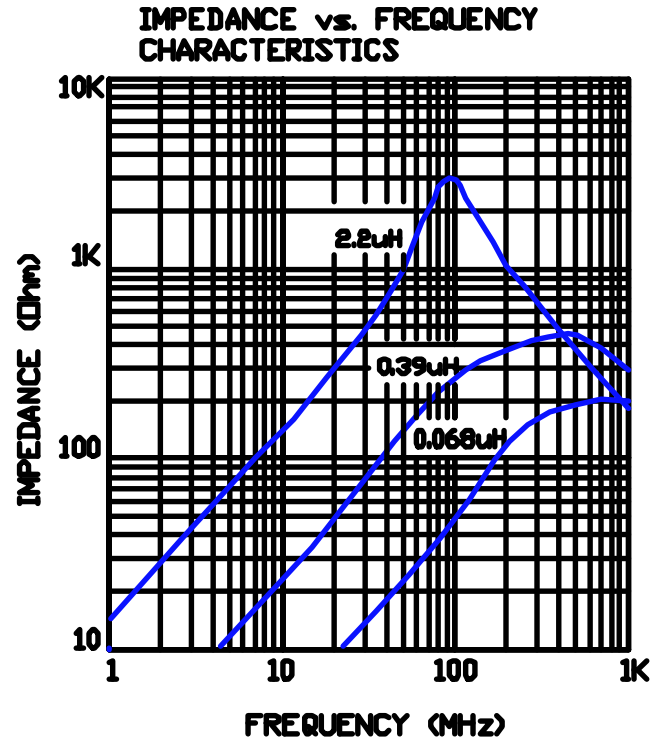
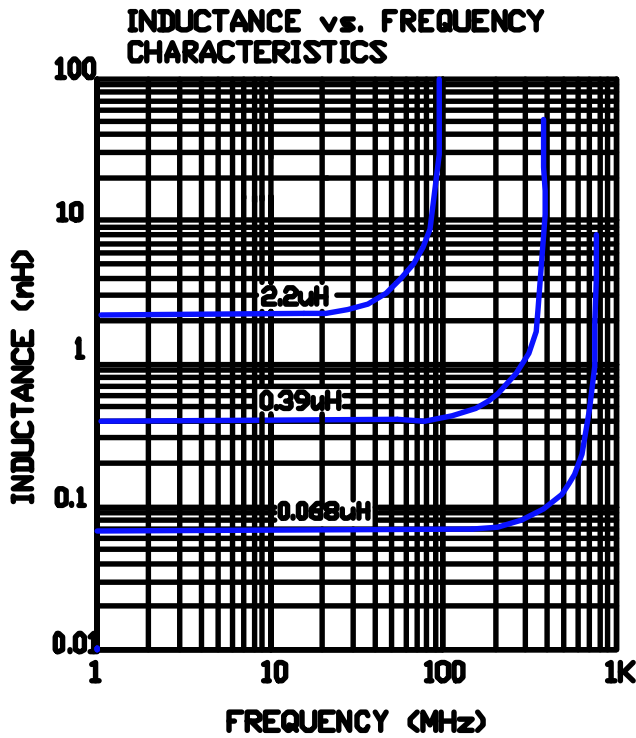
Electrical Characteristics for IMCG160808 Series

Part Number	Inductance (μ H)	Q (min)	Freq. (MHz)	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCG160808M47N	0.047	10	50	260	0.300	50
IMCG160808 M68N	0.068	10	50	250	0.300	50
IMCG160808 KR10	0.10	15	25	240	0.500	50
IMCG160808 KR12	0.12	15	25	205	0.500	50
IMCG160808KR15	0.15	15	25	180	0.600	50
IMCG160808KR18	0.18	15	25	165	0.600	50
IMCG160808KR22	0.22	15	25	150	0.800	50
IMCG160808KR27	0.27	15	25	136	0.800	50
IMCG160808KR33	0.33	15	25	125	0.850	35
IMCG160808KR39	0.39	15	25	110	1.000	35
IMCG160808KR47	0.47	15	25	105	1.350	35
IMCG160808KR56	0.56	15	25	95	1.550	35
IMCG160808KR68	0.68	15	25	90	1.700	35
IMCG160808KR82	0.82	15	25	85	2.100	35
IMCG160808K1R0	1.00	35	10	75	0.600	25
IMCG160808K1R2	1.20	35	10	65	0.800	25
IMCG160808K1R5	1.50	35	10	60	0.800	25
IMCG160808K1R8	1.80	35	10	55	0.950	25
IMCG160808K2R2	2.20	35	10	50	1.150	15

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Chip Inductors – Multilayer Chip Inductors – IMCG201209, IMCG201212

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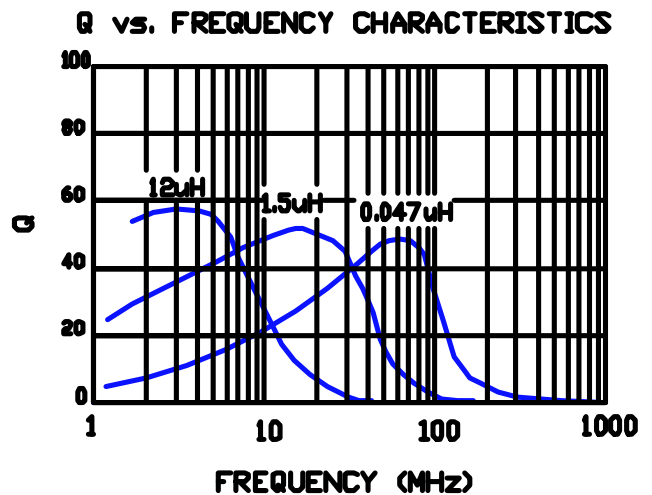
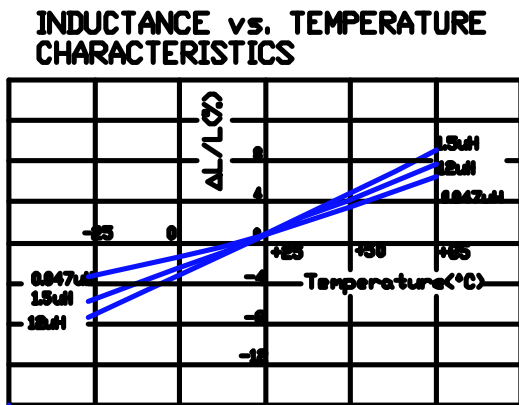
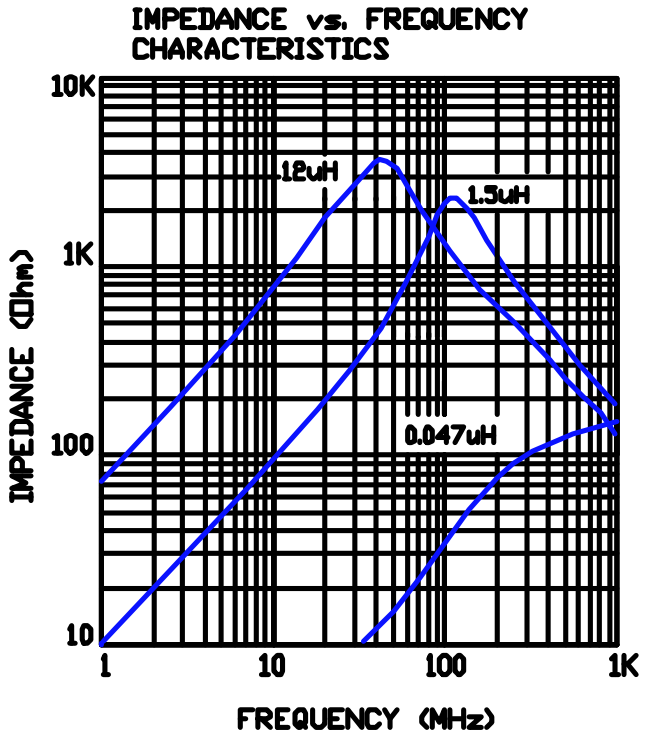
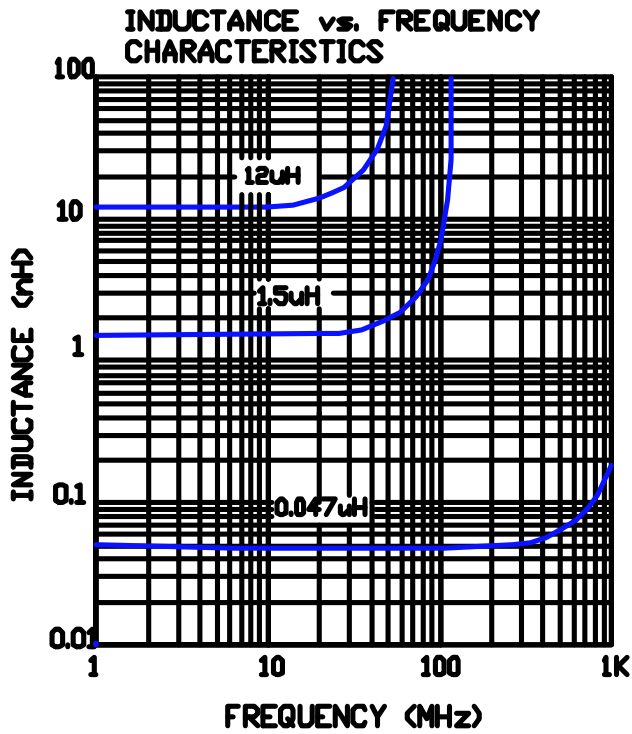
Electrical Characteristics for IMCG201209 & IMCG201212 Series

Part Number	Inductance (μ H)	Q (min)	Freq. (MHz)	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCG201209M47N	0.047	15	50	320	0.200	300
IMCG201209M68N	0.068	15	50	280	0.200	300
IMCG201209KR10	0.10	20	25	235	0.300	250
IMCG201209KR12	0.12	20	25	220	0.300	250
IMCG201209KR15	0.15	20	25	200	0.400	250
IMCG201209KR18	0.18	20	25	185	0.400	250
IMCG201209KR22	0.22	20	25	170	0.500	250
IMCG201209KR27	0.27	20	25	150	0.500	250
IMCG201209KR33	0.33	20	25	145	0.550	250
IMCG201209KR39	0.39	25	25	135	0.650	200
IMCG201209KR47	0.47	25	25	125	0.650	200
IMCG201209KR56	0.56	25	25	115	0.750	150
IMCG201209KR68	0.68	25	25	105	0.800	150
IMCG201209KR82	0.82	25	25	100	1.000	150
IMCG201209K1R0	1.00	45	10	75	0.400	50
IMCG201209K1R2	1.20	45	10	65	0.500	50
IMCG201209K1R5	1.50	45	10	60	0.500	50
IMCG201209K1R8	1.80	45	10	55	0.600	50
IMCG201209K2R2	2.20	45	10	50	0.650	30
IMCG201212K2R7	2.70	45	10	45	0.750	30
IMCG201212K3R3	3.30	45	10	41	0.800	30
IMCG201212K3R9	3.90	45	10	38	0.900	30
IMCG201212K4R7	4.70	45	10	35	1.000	30
IMCG201212K5R6	5.60	50	4	32	0.900	15
IMCG201212K6R8	6.80	50	4	29	1.000	15
IMCG201212K8R2	8.20	50	4	26	1.100	15
IMCG201212K100	10.00	50	2	24	1.150	15

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Chip Inductors – Multilayer Chip Inductors – IMCG201209, IMCG201212

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Chip Inductors – Multilayer Chip Inductors – IMCG321611

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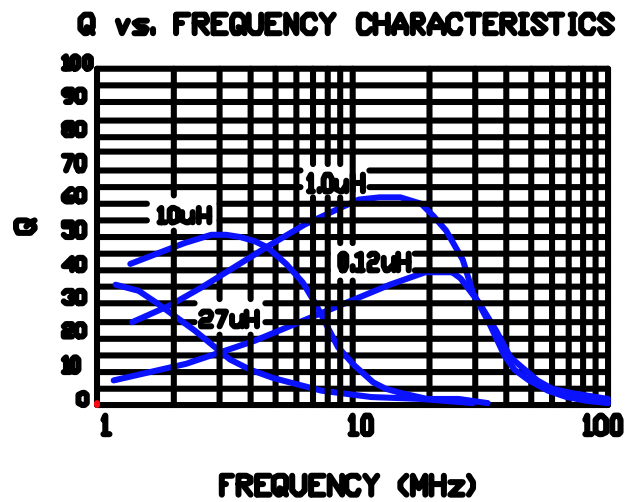
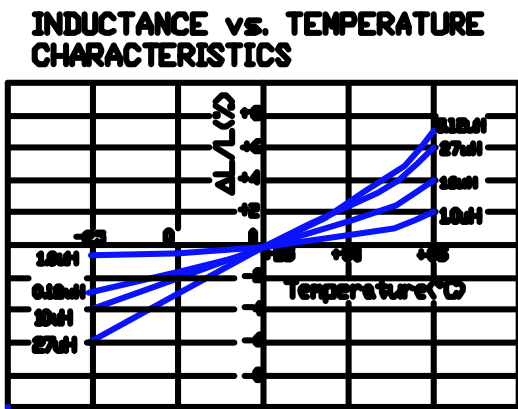
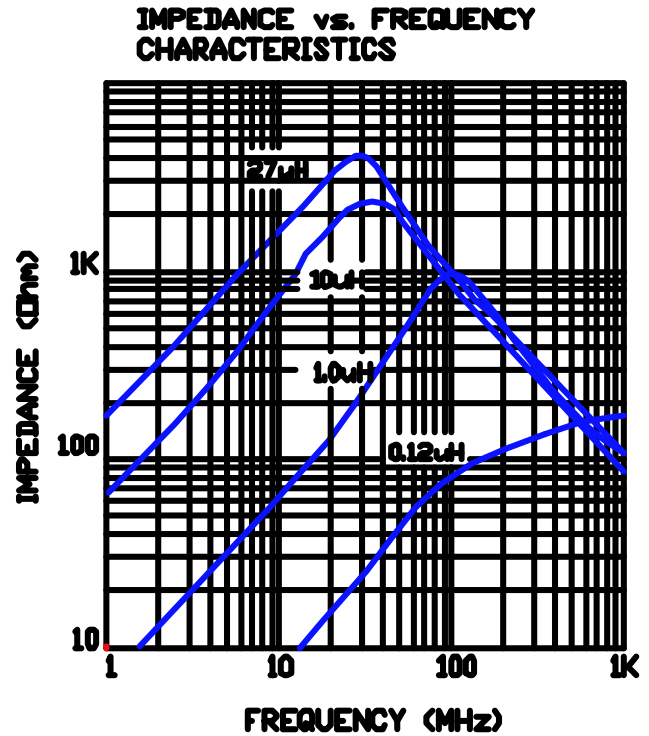
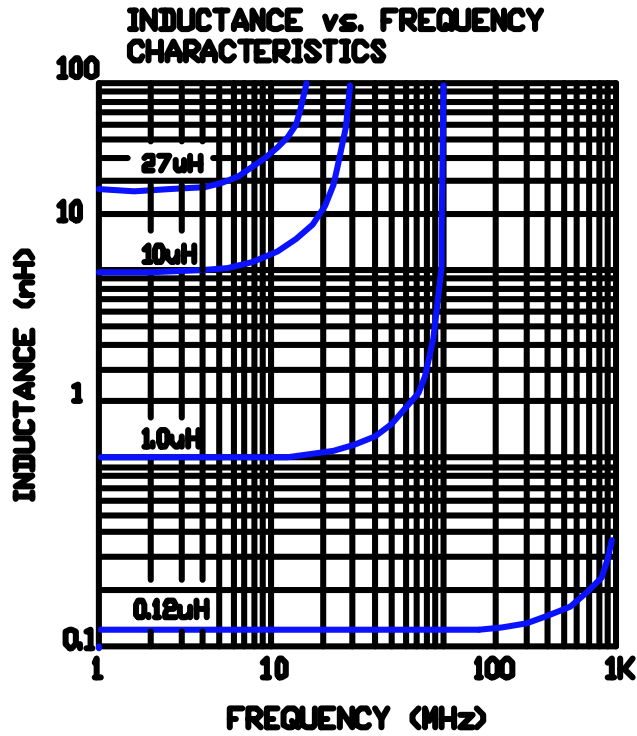
Electrical Characteristics for IMCG321611 Series

Part Number	Inductance (μ H)	Q (min)	Freq. (MHz)	SRF(MHz) (min)	DCR(Ω) (max)	IDC(mA) (max)
IMCG321611M47N	0.047	20	50	320	0.150	300
IMCG321611M68N	0.068	20	50	280	0.250	300
IMCG321611KR10	0.10	20	25	235	0.250	250
IMCG321611KR12	0.12	20	25	220	0.300	250
IMCG321611KR15	0.15	20	25	200	0.300	250
IMCG321611KR18	0.18	20	25	185	0.400	250
IMCG321611KR22	0.22	20	25	170	0.400	250
IMCG321611KR27	0.27	20	25	150	0.500	250
IMCG321611KR33	0.33	20	25	145	0.600	250
IMCG321611KR39	0.39	25	25	135	0.500	200
IMCG321611KR47	0.47	25	25	125	0.600	200
IMCG321611KR56	0.56	25	25	115	0.700	150
IMCG321611KR68	0.68	25	25	105	0.800	150
IMCG321611KR82	0.82	25	25	100	0.900	150
IMCG321611K1R0	1.00	45	10	75	0.400	100
IMCG321611K1R2	1.20	45	10	65	0.500	100
IMCG321611K1R5	1.50	45	10	60	0.500	50
IMCG321611K1R8	1.80	45	10	55	0.500	50
IMCG321611K2R2	2.20	45	10	50	0.600	50
IMCG321611K2R7	2.70	45	10	45	0.600	50
IMCG321611K3R3	3.30	45	10	41	0.700	50
IMCG321611K3R9	3.90	45	10	38	0.800	50
IMCG321611K4R7	4.70	45	10	35	0.900	50
IMCG321611K5R6	5.60	50	4	32	0.700	25
IMCG321611K6R8	6.80	50	4	29	0.800	25
IMCG321611K8R2	8.20	50	4	26	0.900	25
IMCG321611K100	10.00	50	2	24	1.000	25

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