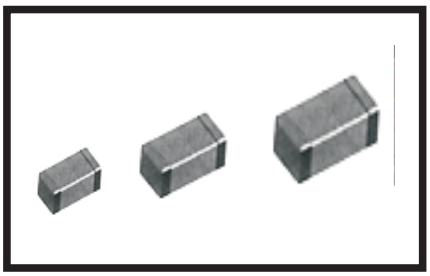
■ 疊層片式高頻電感
CHIP HIGH FREQUENCY INDUCTORS



OPEARATING TEMP.	1005	:-55～125℃
	1608 2012	:-40～+85℃

• 特征 FEATURES

- 高自諧振頻率。
- 疊層獨石結構，具有高可靠性。
- 優良的焊接性和耐焊性，適合于回流焊和波峰焊。
- High self-resonant frequency.
- Multilayer monolithic construction yields high reliability
- Excellent solderability and heat resistance for either wave or reflow soldering.

• 應用 APPLICATIONS

- 移動電話、尋呼機、PHS和PDA
- 各種高頻回路
- 抑制各種高頻雜波
- Portable telephone、Pagers、PHS and PDA
- Miscellaneous high-frequency circuits
- EMI countermeasure in high frequency circuits

• 産品規格型號的表示方法ORDERING CODE

VHF	201209	H	47N	J	T
①	②	③	④	⑤	⑥

①

産品代號 Product Code	
VHF	疊層片式 高頻電感 Very High Frequency Inductors

②

規格尺寸(L×W×T) (mm) Dimensions	
100505	1.0×0.5×0.5
160808	1.6×0.8×0.8
201209	2.0×1.2×0.9

③

材料 Material Code
H

④

感量(nH) Inductance	
1N0	1.0
10N	10
R10	100
N=0.0(nH) R=0.0(μH)	

⑤

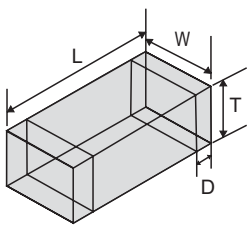
誤差 Tolerance	
S	±0.3nH
D	± 0.5nH
J	±5%
K	±10%
M	±20%

⑥

包裝方式 Packaging Style	
T	卷帶盤裝 Tape&Reel
B	散裝 Bulk

• 外形尺寸SHAPE AND DIMENSIONS

unit：mm(inch)



Part No .	L	W	T	D
100505	1.0±0.15 (0.040±0.006)	0.5±0.15 (0.020±0.006)	0.5±0.15 (0.020±0.006)	0.25±0.10 (0.010±0.004)
160808	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.3±0.2 (0.01±0.008)
201209	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)

• 電性能參數 ELECTRICAL CHARACTERISTICS

1005TYPE

Part No.	Inductance (nH)	Q (Min)	Test Fre. (MHz)	Q Frequency (MHz)					SRF (MHz)Min	DC R (Ω)Max	Ir(mA) Max
				100	300	500	800	1000			
VHF100505H1N0S	1.0	7	100	8	20	26	34	38	6000	0.17	300
VHF100505H1N2S	1.2	7	100	8	20	26	34	38	6000	0.17	300
VHF100505H1N5S	1.5	7	100	8	20	26	34	38	6000	0.18	300
VHF100505H1N8S	1.8	7	100	8	18	24	30	35	6000	0.19	300
VHF100505H2N2S	2.2	7	100	8	17	24	29	35	6000	0.21	300
VHF100505H2N7S	2.7	7	100	8	17	23	29	34	5500	0.22	300
VHF100505H3N3S	3.3	7	100	8	17	23	28	34	5500	0.25	300
VHF100505H3N9S	3.9	7	100	8	17	23	28	33	5200	0.25	300
VHF100505H4N7S	4.7	7	100	8	17	23	28	33	4800	0.30	300
VHF100505H5N6S	5.6	7	100	8	17	22	28	33	4600	0.30	300
VHF100505H6N8J	6.8	7	100	8	17	22	27	33	4000	0.37	250
VHF100505H8N2J	8.2	7	100	10	16	22	28	32	3600	0.45	250
VHF100505H10NJ	10	7	100	10	17	22	30	32	3200	0.47	250
VHF100505H12NJ	12	8	100	11	17	24	31	34	2800	0.55	250
VHF100505H15NJ	15	8	100	11	18	24	30	33	2500	0.70	250
VHF100505H18NJ	18	8	100	11	18	24	30	32	2200	0.70	200
VHF100505H22NJ	22	8	100	11	18	24	30	31	2000	0.90	200
VHF100505H27NJ	27	8	100	11	18	23	27	29	1600	1.00	200
VHF100505H33NJ	33	8	100	11	18	22	25	25	1300	1.10	200
VHF100505H39NJ	39	8	100	11	18	22	24	23	1200	1.30	150
VHF100505H47NJ	47	8	100	11	18	21	23	21	1000	1.40	150

1608TYPE

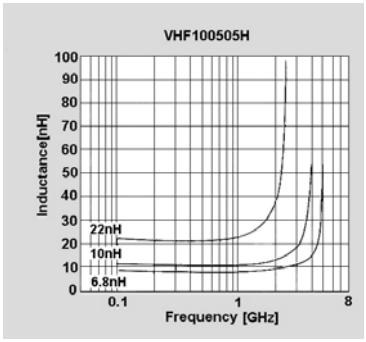
Part No.	Inductance (nH)	Q (Min)	Test Fre. (MHz)	Q Frequency (MHz)					SRF (MHz)Min	DC R (Ω)Max	Ir(mA) Max
				100	300	500	800	1000			
VHF160808H1N0S	1.0	8	100	14	20	30	35	50	10000	0.05	500
VHF160808H1N2S	1.2	8	100	14	20	30	35	50	10000	0.10	500
VHF160808H1N5S	1.5	8	100	14	22	37	38	68	10000	0.10	400
VHF160808H1N8S	1.8	8	100	14	21	33	35	61	9800	0.12	400
VHF160808H2N2S	2.2	8	100	14	26	40	39	60	7600	0.20	400
VHF160808H2N7S	2.7	8	100	12	23	27	37	47	7000	0.20	400
VHF160808H3N3S	3.3	8	100	12	23	27	36	47	6200	0.20	400
VHF160808H3N9S	3.9	8	100	12	25	28	38	47	5600	0.25	400
VHF160808H4N7S	4.7	8	100	12	26	30	38	49	4800	0.30	400
VHF160808H5N6S	5.6	8	100	12	26	29	35	34	4600	0.30	400
VHF160808H6N8S	6.8	8	100	12	23	27	35	40	4200	0.35	400
VHF160808H8N2J	8.2	8	100	12	22	26	33	39	3600	0.35	400
VHF160808H10NJ	10	8	100	13	25	31	38	45	3200	0.40	300
VHF160808H12NJ	12	8	100	13	24	28	35	39	2800	0.40	300
VHF160808H15NJ	15	8	100	13	22	27	34	40	2600	0.45	300
VHF160808H18NJ	18	8	100	13	24	28	35	38	2400	0.60	300
VHF160808H22NJ	22	8	100	15	27	32	38	43	2000	0.60	300
VHF160808H27NJ	27	8	100	14	26	29	36	44	1900	0.80	300
VHF160808H33NJ	33	8	100	14	26	29	35	34	1600	0.80	300
VHF160808H39NJ	39	8	100	14	22	25	28	28	1400	1.00	300
VHF160808H47NJ	47	8	100	15	25	29	30	25	1200	1.00	200
VHF160808H56NJ	56	8	100	17	28	31	31	25	1000	1.00	200
VHF160808H68NJ	68	8	100	17	22	24	25	15	900	1.00	200
VHF160808H82NJ	82	8	100	17	23	24	22	13	800	1.00	200
VHF160808HR10J	100	8	100	17	25	27	24	17	700	1.40	200
VHF160808HR12J	120	8	100	15	24	23			600	1.60	150
VHF160808HR15J	150	8	100	13	19				500	1.80	150

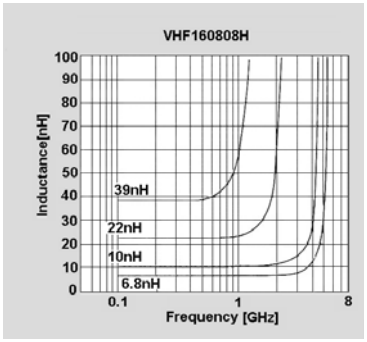
2012TYPE

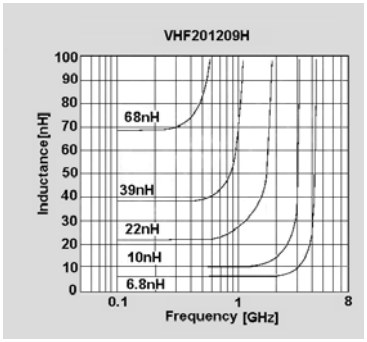
Part No.	Inductance (nH)	Q (Min)	Test Fre. (MHz)	Q Frequency (MHz)					SRF (MHz)Min	DC R (Ω)Max	Ir(mA) Max
				100	300	500	800	1000			
VHF201209H1N5S	1.5	8	100	10	23	46	54	85	6000	0.10	600
VHF201209H1N8S	1.8	8	100	13	24	46	55	85	6000	0.10	600
VHF201209H2N2S	2.2	8	100	13	25	46	53	85	6000	0.10	600
VHF201209H2N7S	2.7	8	100	13	25	42	45	76	6000	0.10	600
VHF201209H3N3S	3.3	8	100	15	28	48	52	85	6000	0.13	600
VHF201209H3N9S	3.9	8	100	15	28	49	55	85	5400	0.15	600
VHF201209H4N7S	4.7	8	100	15	28	48	53	85	4500	0.20	400
VHF201209H5N6S	5.6	8	100	16	30	44	45	78	4000	0.23	400
VHF201209H6N8S	6.8	8	100	16	30	40	45	69	3650	0.25	400
VHF201209H8N2J	8.2	8	100	16	28	42	45	69	3000	0.28	400
VHF201209H10NJ	10	8	100	16	28	43	45	71	2500	0.30	300
VHF201209H12NJ	12	8	100	16	28	43	45	50	2450	0.35	300
VHF201209H15NJ	15	8	100	18	30	43	43	56	2000	0.40	300
VHF201209H18NJ	18	8	100	18	26	40	42	59	1750	0.45	300
VHF201209H22NJ	22	8	100	17	31	45	45	59	1700	0.50	300
VHF201209H27NJ	27	8	100	17	31	45	45	54	1550	0.55	300
VHF201209H33NJ	33	8	100	18	27	41	40	44	1350	0.60	300
VHF201209H39NJ	39	8	100	19	31	42	31	20	1300	0.70	300
VHF201209H47NJ	47	8	100	20	24	33	31	29	1200	0.80	300
VHF201209H56NJ	56	8	100	21	34	43	35	25	1150	0.80	300
VHF201209H68NJ	68	8	100	19	28	37	29		1000	0.85	300
VHF201209H82NJ	82	8	100	19	29	30	27		850	0.90	300
VHF201209HR10J	100	8	100	13	27	36			600	1.00	300
VHF201209HR12J	120	8	100	19	27				500	1.20	300
VHF201209HR15K	150	8	100	19	27				500	1.50	300
VHF201209HR18K	180	8	100	19	25				400	1.80	300
VHF201209HR22K	220	8	100	19	22				350	1.80	300

特性曲綫 CHARACTERISTICS CURVES

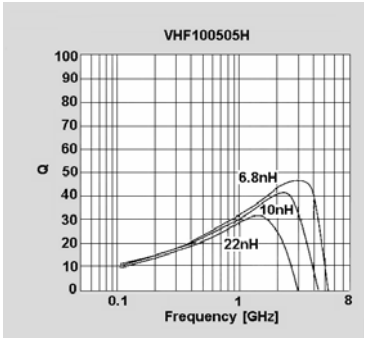
■電感量頻率特性 Inductance VS. Frenquency

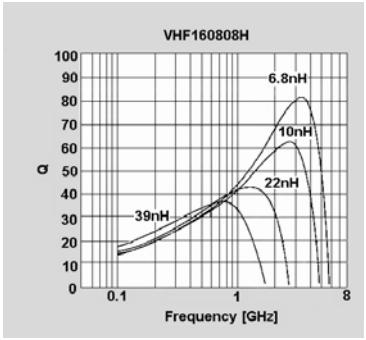


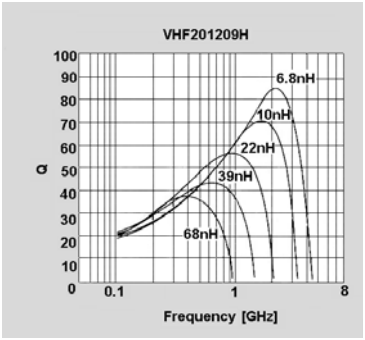




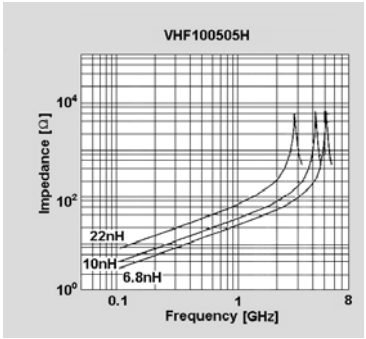
■ Q值頻率特性 Q Value VS. Frenquency

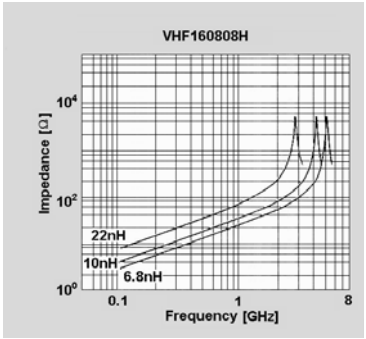


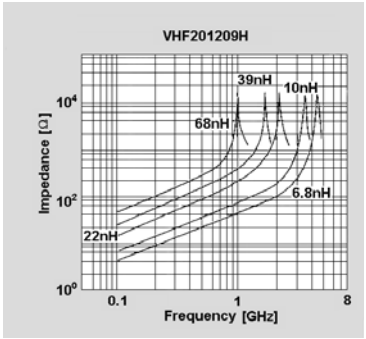




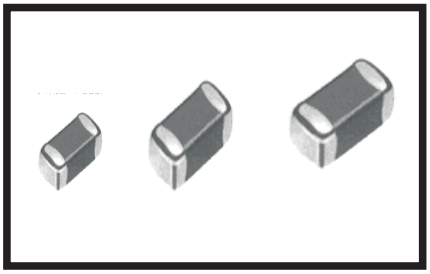
■ 阻抗頻率特性 Impedance VS. Frenquency







■ 大電流型鐵氧體片式電感
FERRITE CHIP INDUCTORS(CMP)



OPEARATING TEMP	1005 :-55~125℃
	1608 2012 :-40~=+85℃

• 特征 FEATURES

- 超大的額定電流，極低的直流電阻
- 漏磁小，不產生耦合，可靠性高
- 無引綫，不產生跟踪性，適合高密度表面貼裝
- 優良的可焊性及耐熱衝擊性，適合波峰焊及回流焊

- Very large rated current and low direct-current resistance.
- No cross coupling between indutors due to low magnetic shield and high reliability.
- No lead,ideal for high density SMT installation,with no directtionlity.
- Superior solderability and resistance to soldering heat,ideal for wave or reflow soldering.

• 應用 APPLICATIONS

- VCD/DVD、數碼相機、電腦、數字電視、機頂盒
- VCD/DVD、digital cameras 、personal computers etc.

• 産品規格型號的表示方法 ORDERING CODE

CMP	201209	V	D	47N	K	T
①	②	③	④	⑤	⑥	⑦

①

産品代號 Product Code	
CMP	疊層片式電感 Multilayer Chip Inductors

②

規格尺寸(L×W×T) (mm) Dimensions	
160808	1.6×0.8×0.8
201209	2.0×1.2×0.9
321609	3.2×1.6×0.9
252009	2.5×2.0×0.9

③

材料代號 Material Code
U
V
J
X

④

系列代號 Series Code
D
E

⑤

感量(μH) Inductance	
實例 Example	
47N	0.047
R10	0.10
1R0	1.0
N=0.0(nH) R=0.0(μH)	

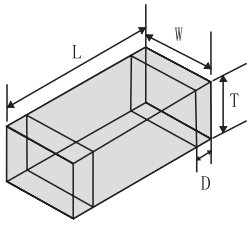
⑥

誤差 Tolerance	
K	±10%
M	±20%
N	±30%

⑦

包裝方式 Packaging Style	
T	卷帶盤裝 Tape & Reel
B	散裝 Bulk

• 外形尺寸 SHAPE AND DIMENSIONS



Unit:mm(inch)

Part No.	L	W	T	D
160808 (0603)	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.3±0.2 (0.01±0.008)
201209 (0805)	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)
201212 (0805)	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	1.2±0.2 (0.047±0.008)	0.5±0.3 (0.020±0.012)
321609 (1206)	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)
252009 (1008)	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)

• 電性能參數 ELECTRICAL CHARACTERISTICS

2012 TYPE

Part No.	Pnductance(μH)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP201209VD47NK/M/N	0.047		280	0.10	1100
CMP201209VD56NK/M/N	0.056		280	0.10	1100
CMP201209VD68NK/M/N	0.068		250	0.15	1100
CMP201209VD82NK/M/N	0.082		250	0.15	1100
CMP201209VDR10K/M/N	0.10		210	0.15	1100
CMP201209VDR12K/M/N	0.12		200	0.15	1100
CMP201209VDR15K/M/N	0.15		175	0.15	1100
CMP201209VDR18K/M/N	0.18		160	0.15	1100
CMP201209VDR22K/M/N	0.22		150	0.15	1100
CMP201209VDR27K/M/N	0.27		130	0.15	1100
CMP201209VDR33K/M/N	0.33		120	0.15	1100
CMP201209VDR39K/M/N	0.39		110	0.15	1100
CMP201209VDR47K/M/N	0.47		100	0.15	1100
CMP201209VDR56K/M/N	0.56		100	0.20	800
CMP201209VDR68K/M/N	0.68		95	0.20	800
CMP201209VDR82K/M/N	0.82		90	0.20	800
CMP201209UD1R0K/M/N	1.0	1	75	0.24	800
CMP201209UD1R2K/M/N	1.2		65	0.24	800
CMP201209UD1R5K/M/N	1.5		60	0.30	700
CMP201209UD1R8K/M/N	1.8		55	0.36	600
CMP201209UD2R2K/M/N	2.2		50	0.36	600
CMP201209UD2R7K/M/N	2.7		45	0.36	600
CMP201209UD3R3K/M/N	3.3		41	0.40	350
CMP201209UD3R9K/M/N	3.9		38	0.40	350
CMP201209UD4R7K/M/N	4.7		35	0.40	350
CMP201209UD5R6K/M/N	5.6		32	0.50	250
CMP201209XD6R8K/M/N	6.8		29	0.50	250
CMP201209XD8R2K/M/N	8.2		26	0.56	250
CMP201209XD100K/M/N	10		24	0.56	250
CMP201209XD120K/M/N	12		22	0.56	250
CMP201209JD150K/M/N	15		19	0.65	100
CMP201209JD180K/M/N	18		18	0.65	100
CMP201209JD220K/M/N	22		16	0.65	100

• 電性能參數 ELECTRICAL CHARACTERISTICS

2520 TYPE

Part No.	Pnductance (μH)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP252009UD1R0K/M/N	1.0	1	70	0.12	1500
CMP252009UD1R2K/M/N	1.2		50	0.15	1500
CMP252009UD1R5K/M/N	1.2		50	0.15	1500
CMP252009UD1R8K/M/N	1.8		40	0.18	1000
CMP252009UD2R2K/M/N	2.2		40	0.18	1000
CMP252009UD2R7K/M/N	2.7		30	0.22	1000
CMP252009UD3R3K/M/N	3.3		30	0.22	1000
CMP252009UD3R9K/M/N	3.9		25	0.26	1000
CMP252009UD4R7K/M/N	4.7		25	0.26	1000

3216 TYPE

Part No.	Pneuctance (μH)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP321609VD47NK/M/N	0.047	1	250	0.01	1800
CMP321609VD56NK/M/N	0.056		250	0.01	1800
CMP321609VD68NK/M/N	0.068		230	0.06	1800
CMP321609VD82NK/M/N	0.082		230	0.06	1800
CMP321609VDR10K/M/N	0.10		215	0.06	1500
CMP321609VDR12K/M/N	0.12		190	0.06	1500
CMP321609VDR15K/M/N	0.15		165	0.06	1500
CMP321609VDR18K/M/N	0.18		150	0.06	1500
CMP321609VDR22K/M/N	0.22		130	0.06	1500
CMP321609VDR27K/M/N	0.27		110	0.06	1500
CMP321609VDR33K/M/N	0.33		100	0.06	1500
CMP321609VDR39K/M/N	0.39		90	0.09	1400
CMP321609VDR47K/M/N	0.47		80	0.09	1400
CMP321609VDR56K/M/N	0.56		75	0.10	1100
CMP321609VDR68K/M/N	0.68		65	0.10	1100
CMP321609VDR82K/M/N	0.82		60	0.10	1100
CMP321609UD1R0K/M/N	1.0		60	0.15	1200
CMP321609UD1R2K/M/N	1.2		65	0.15	1200
CMP321609UD1R5K/M/N	1.5		60	0.17	1000
CMP321609UD1R8K/M/N	1.8		55	0.24	900
CMP321609UD2R2K/M/N	2.2		50	0.24	900
CMP321609UD2R7K/M/N	2.7		45	0.30	800
CMP321609UD3R3K/M/N	3.3		41	0.30	800
CMP321609UD3R9K/M/N	3.9		38	0.38	700
CMP321609UD4R7K/M/N	4.7		35	0.38	700
CMP321609UD5R6K/M/N	5.6		32	0.45	500
CMP321609XD6R8K/M/N	6.8		29	0.45	500
CMP321609XD8R2K/M/N	8.2		26	0.55	300
CMP321609XD100K/M/N	10		24	0.55	300
CMP321609XD120K/M/N	12		22	0.55	300
CMP321609JD150K/M/N	15		19	0.65	100
CMP321609JD180K/M/N	18		18	0.65	100
CMP321609JD220K/M/N	22		16	0.85	100
CMP321609JD270K/M/N	27		14	0.85	100

1608 TYPE

Part No.	Pneuctance (μH)	Test Fre. (Mhz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP160808VE47NK/M/N	0.047	1	260	0.12	150
CMP160808VE56NK/M/N	0.056		260	0.12	150
CMP160808VE68NK/M/N	0.068		250	0.12	150
CMP160808VE82NK/M/N	0.082		245	0.12	150
CMP160808VER10K/M/N	0.10		240	0.15	150
CMP160808VER12K/M/N	0.12		205	0.20	150
CMP160808VER15K/M/N	0.15		180	0.20	150
CMP160808VER18K/M/N	0.18		165	0.20	150
CMP160808VER22K/M/N	0.22		150	0.25	150
CMP160808VER27K/M/N	0.27		136	0.30	100
CMP160808VER33K/M/N	0.33		125	0.30	100
CMP160808VER39K/M/N	0.39		110	0.35	100
CMP160808VER47K/M/N	0.47		105	0.45	100
CMP160808VER56K/M/N	0.56		95	0.45	100
CMP160808VER68K/M/N	0.68		90	0.55	100
CMP160808VER82K/M/N	0.82		85	0.60	100
CMP160808UE1R0K/M/N	1.0		75	0.30	150
CMP160808UE1R2K/M/N	1.2		65	0.30	150
CMP160808UE1R5K/M/N	1.5		60	0.35	120
CMP160808UE1R8K/M/N	1.8		55	0.40	120
CMP160808UE2R2K/M/N	2.2		50	0.50	120
CMP160808UE2R7K/M/N	2.7		45	0.60	100
CMP160808XE3R3K/M/N	3.3		40	0.65	100
CMP160808XE3R9K/M/N	3.9		35	0.70	80
CMP160808XE4R7K/M/N	4.7		33	0.75	80
CMP160808JE5R6K/M/N	5.6		22	0.90	60
CMP160808JE6R8K/M/N	6.8		20	0.90	60
CMP160808JE8R2K/M/N	8.2		18	1.05	60
CMP160808JE100K/M/N	10		17	1.15	60
CMP160808JE120K/M/N	12		15	1.25	60

2012 TYPE

Part No.	Pneuctaece (μH)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP201209VE47NK/M/N	0.047		320	0.15	350
CMP201209VE56NK/M/N	0.056		320	0.15	350
CMP201209VE68NK/M/N	0.068		280	0.20	350
CMP201209VE82NK/M/N	0.082		280	0.20	350
CMP201209VER10K/M/N	0.10		235	0.20	350
CMP201209VER12K/M/N	0.12		220	0.20	350
CMP201209VER15K/M/N	0.15		200	0.20	350
CMP201209VER18K/M/N	0.18		185	0.25	300
CMP201209VER22K/M/N	0.22		170	0.25	300
CMP201209VER27K/M/N	0.27		150	0.25	300
CMP201209VER33K/M/N	0.33		145	0.25	300
CMP201209VER39K/M/N	0.39		135	0.30	250
CMP201209VER47K/M/N	0.47		125	0.30	250
CMP201209VER56K/M/N	0.56		115	0.36	200
CMP201209VER68K/M/N	0.68		105	0.36	200
CMP201209VER82K/M/N	0.82		100	0.36	200
CMP201209UE1R0K/M/N	1.0	1	75	0.26	220
CMP201209UE1R2K/M/N	1.2		65	0.26	220
CMP201209UE1R5K/M/N	1.5		60	0.30	180
CMP201209UE1R8K/M/N	1.8		55	0.30	180
CMP201209UE2R2K/M/N	2.2		50	0.36	150
CMP201209UE2R7K/M/N	2.7		45	0.36	150
CMP201209UE3R3K/M/N	3.3		41	0.40	120
CMP201209UE3R9K/M/N	3.9		38	0.40	120
CMP201209UE4R7K/M/N	4.7		35	0.40	120
CMP201209XE5R6K/M/N	5.6		32	0.60	100
CMP201209XE6R8K/M/N	6.8		29	0.60	100
CMP201209XE8R2K/M/N	8.2		26	0.65	100
CMP201209XE100K/M/N	10		24	0.65	100
CMP201209XE120K/M/N	12		22	0.65	100
CMP201209JE150K/M/N	15		19	0.75	50
CMP201209JE180K/M/N	18		18	0.75	50
CMP201209JE220K/M/N	22		16	0.75	50

3216 TYPE

Part No.	Pneuctance (μH)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP321609VE47NK/M/N	0.047		320	0.15	450
CMP321609VE56NK/M/N	0.056		320	0.15	450
CMP321609VE68NK/M/N	0.068		280	0.20	450
CMP321609VE82NK/M/N	0.082		280	0.20	450
CMP321609VER10K/M/N	0.10		235	0.20	350
CMP321609VER12K/M/N	0.12		220	0.20	350
CMP321609VER15K/M/N	0.15		200	0.20	350
CMP321609VER18K/M/N	0.18		185	0.20	350
CMP321609VER22K/M/N	0.22		170	0.20	350
CMP321609VER27K/M/N	0.27		150	0.20	350
CMP321609VER33K/M/N	0.33		145	0.20	350
CMP321609VER39K/M/N	0.39		135	0.30	220
CMP321609VER47K/M/N	0.47		125	0.30	220
CMP321609VER56K/M/N	0.56		115	0.30	220
CMP321609VER68K/M/N	0.68		105	0.30	220
CMP321609VER82K/M/N	0.82		100	0.30	220
CMP321609UE1R0K/M/N	1.0	1	75	0.20	250
CMP321609UE1R2K/M/N	1.2		65	0.20	250
CMP321609UE1R5K/M/N	1.5		60	0.25	250
CMP321609UE1R8K/M/N	1.8		55	0.25	250
CMP321609UE2R2K/M/N	2.2		50	0.30	200
CMP321609UE2R7K/M/N	2.7		45	0.30	200
CMP321609UE3R3K/M/N	3.3		41	0.30	200
CMP321609UE3R9K/M/N	3.9		38	0.35	150
CMP321609UE4R7K/M/N	4.7		35	0.35	150
CMP321609UE5R6K/M/N	5.6		32	0.50	100
CMP321609XE6R8K/M/N	6.8		29	0.50	100
CMP321609XE8R2K/M/N	8.2		26	0.50	100
CMP321609XE100K/M/N	10		24	0.50	100
CMP321609XE120K/M/N	12		22	0.60	50
CMP321609JE150K/M/N	15		19	0.80	50
CMP321609JE180K/M/N	18		18	0.80	50
CMP321609JE220K/M/N	22		16	1.00	50