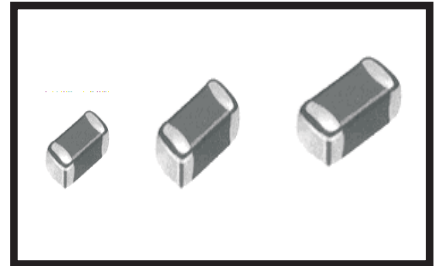


■ 大電流型鐵氧體片式電感  
FERRITE CHIP INDUCTORS(CMP)



OPERATING TEMP	1005 :-55~125°C
	1608
	2012 :-40~+85°C

● 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 inductors due to low magnetic shield and high reliability.
- No lead, ideal for high density SMT installation, with no directionality.
- 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.

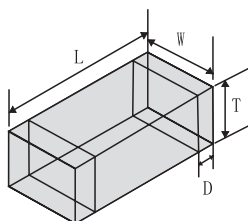
● 產品規格型號的表示方法 ORDERING CODE

<u>CMP</u>	<u>201209</u>	<u>V</u>	<u>D</u>	<u>47N</u>	<u>K</u>	<u>T</u>
①	②	③	④	⑤	⑥	⑦

① 產品代號 Product Code		② 規格尺寸(L×W×T) (mm) Dimensions		③ 材料代號 Material Code	④ 系列代號 Series Code	⑤ 感量(μH) Inductance	
CMP	疊層片式電感 Multilayer Chip Inductors	160808	1.6×0.8×0.8	U	D E	實例 Example	
		201209	2.0×1.2×0.9	V		47N	0.047
		321609	3.2×1.6×0.9	J		R10	0.10
		252009	2.5×2.0×0.9	X		1R0	1.0
						N=0.0(nH) R=0.0(μH)	
⑥ 誤差 Tolerance		⑦ 包裝方式 Packaging Style					
K	±10%	T	卷帶盤裝 Tape & Reel				
M	±20%	B	散裝 Bulk				
N	±30%						

• 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(μ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
CMP201209VD47NK/M/N	0.047	1	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		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	

## 大電流型鐵氧體片式電感 FERRITE CHIP INDUCTORS

### • 電性能參數 ELECTRICAL CHARACTERISTICS

#### 2520 TYPE

Part No.	Pductance ( $\mu$ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR ( $\Omega$ )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 ( $\mu$ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR ( $\Omega$ )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 ( $\mu$ H)	Test Fre. (Mhz)	SRF (MHz)Min	DCR ( $\Omega$ )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

# 大電流型鐵氧體片式電感 FERRITE CHIP INDUCTORS

## 2012 TYPE

Part No.	Pneuctaece ( $\mu$ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR ( $\Omega$ )Max	Ir (mA)Max
CMP201209VE47NK/M/N	0.047	1	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		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 ( $\mu$ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR ( $\Omega$ )Max	Ir (mA)Max
CMP321609VE47NK/M/N	0.047	1	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		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

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