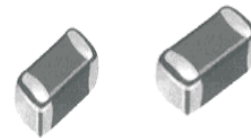


FERRITE CHIP INDUCTORS(TCMP)

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



FEATURES:

- Large current low DCR
- No cross coupling between inductors due to shielded construction
- Good for high density boards
- Good solderability and RSH
- Ideal for Reflow or Wave soldering

APPLICATIONS:

- VCD/DVD, digital cameras, personal computers etc.

ORDER CODE:

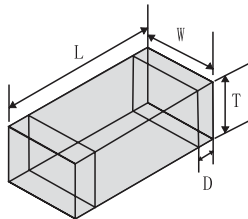
TCMP	201209	V	D	47N	K	T
①	②	③	④	⑤	⑥	⑦

① Product Code		② (L × W × T) (mm) Dimensions		③ Material Code	④ Series Code	⑤ (μH) Inductance	
TCMP	Multilayer Chip Inductors	160808	1.6 × 0.8 × 0.8	U	D E	47N	0.047
		201209	2.0 × 1.2 × 0.9	V		R10	0.10
		321609	3.2 × 1.6 × 0.9	J		1R0	1.0
		252009	2.5 × 2.0 × 0.9	X		N=0.0(nH) R=0.0(μH)	
⑥ Tolerance		⑦ Packaging Style					
K	±10%	T B	Tape & Reel Bulk				
M	±20%						
N	±30%						

FERRITE CHIP INDUCTORS

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)

ELECTRICAL CHARACTERISTICS

TCMP2012

Part No.	Inductance(μ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
TCMP201209VD47NK/M/N	0.047	1	280	0.10	1100
TCMP201209VD56NK/M/N	0.056		280	0.10	1100
TCMP201209VD68NK/M/N	0.068		250	0.15	1100
TCMP201209VD82NK/M/N	0.082		250	0.15	1100
TCMP201209VDR10K/M/N	0.10		210	0.15	1100
TCMP201209VDR12K/M/N	0.12		200	0.15	1100
TCMP201209VDR15K/M/N	0.15		175	0.15	1100
TCMP201209VDR18K/M/N	0.18		160	0.15	1100
TCMP201209VDR22K/M/N	0.22		150	0.15	1100
TCMP201209VDR27K/M/N	0.27		130	0.15	1100
TCMP201209VDR33K/M/N	0.33		120	0.15	1100
TCMP201209VDR39K/M/N	0.39		110	0.15	1100
TCMP201209VDR47K/M/N	0.47		100	0.15	1100
TCMP201209VDR56K/M/N	0.56		100	0.20	800
TCMP201209VDR68K/M/N	0.68		95	0.20	800
TCMP201209VDR82K/M/N	0.82		90	0.20	800
TCMP201209UD1R0K/M/N	1.0		75	0.24	800
TCMP201209UD1R2K/M/N	1.2		65	0.24	800
TCMP201209UD1R5K/M/N	1.5		60	0.30	700
TCMP201209UD1R8K/M/N	1.8		55	0.36	600
TCMP201209UD2R2K/M/N	2.2		50	0.36	600
TCMP201209UD2R7K/M/N	2.7		45	0.36	600
TCMP201209UD3R3K/M/N	3.3		41	0.40	350
TCMP201209UD3R9K/M/N	3.9		38	0.40	350
TCMP201209UD4R7K/M/N	4.7		35	0.40	350
TCMP201209UD5R6K/M/N	5.6		32	0.50	250
TCMP201209XD6R8K/M/N	6.8		29	0.50	250
TCMP201209XD8R2K/M/N	8.2		26	0.56	250
TCMP201209XD100K/M/N	10		24	0.56	250
TCMP201209XD120K/M/N	12		22	0.56	250
TCMP201209JD150K/M/N	15		19	0.65	100
TCMP201209JD180K/M/N	18		18	0.65	100
TCMP201209JD220K/M/N	22		16	0.65	100



FERRITE CHIP INDUCTORS
ELECTRICAL CHARACTERISTICS

TCMP2520

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

TCMP3216

Part No.	Inductance (μ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
TCMP321609VD47NK/M/N	0.047	1	250	0.01	1800
TCMP321609VD56NK/M/N	0.056		250	0.01	1800
TCMP321609VD68NK/M/N	0.068		230	0.06	1800
TCMP321609VD82NK/M/N	0.082		230	0.06	1800
TCMP321609VDR10K/M/N	0.10		215	0.06	1500
TCMP321609VDR12K/M/N	0.12		190	0.06	1500
TCMP321609VDR15K/M/N	0.15		165	0.06	1500
TCMP321609VDR18K/M/N	0.18		150	0.06	1500
TCMP321609VDR22K/M/N	0.22		130	0.06	1500
TCMP321609VDR27K/M/N	0.27		110	0.06	1500
TCMP321609VDR33K/M/N	0.33		100	0.06	1500
TCMP321609VDR39K/M/N	0.39		90	0.09	1400
TCMP321609VDR47K/M/N	0.47		80	0.09	1400
TCMP321609VDR56K/M/N	0.56		75	0.10	1100
TCMP321609VDR68K/M/N	0.68		65	0.10	1100
TCMP321609VDR82K/M/N	0.82		60	0.10	1100
TCMP321609UD1R0K/M/N	1.0		60	0.15	1200
TCMP321609UD1R2K/M/N	1.2		65	0.15	1200
TCMP321609UD1R5K/M/N	1.5		60	0.17	1000
TCMP321609UD1R8K/M/N	1.8		55	0.24	900
TCMP321609UD2R2K/M/N	2.2		50	0.24	900
TCMP321609UD2R7K/M/N	2.7		45	0.30	800
TCMP321609UD3R3K/M/N	3.3		41	0.30	800
TCMP321609UD3R9K/M/N	3.9		38	0.38	700
TCMP321609UD4R7K/M/N	4.7		35	0.38	700
TCMP321609UD5R6K/M/N	5.6		32	0.45	500
TCMP321609XD6R8K/M/N	6.8		29	0.45	500
TCMP321609XD8R2K/M/N	8.2		26	0.55	300
TCMP321609XD100K/M/N	10		24	0.55	300
TCMP321609XD120K/M/N	12		22	0.55	300
TCMP321609JD150K/M/N	15		19	0.65	100
TCMP321609JD180K/M/N	18		18	0.65	100
TCMP321609JD220K/M/N	22		16	0.85	100
TCMP321609JD270K/M/N	27		14	0.85	100

FERRITE CHIP INDUCTORS

TCMP1608

Part No.	Inductance (μ H)	Test Fre. (Mhz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
TCMP160808VE47N K/M/N	0.047	1	260	0.12	150
TCMP160808VE56N K/M/N	0.056		260	0.12	150
TCMP160808VE68N K/M/N	0.068		250	0.12	150
TCMP160808VE82N K/M/N	0.082		245	0.12	150
TCMP160808VER10 K/M/N	0.10		240	0.15	150
TCMP160808VER12 K/M/N	0.12		205	0.20	150
TCMP160808VER15 K/M/N	0.15		180	0.20	150
TCMP160808VER18 K/M/N	0.18		165	0.20	150
TCMP160808VER22 K/M/N	0.22		150	0.25	150
TCMP160808VER27 K/M/N	0.27		136	0.30	100
TCMP160808VER33 K/M/N	0.33		125	0.30	100
TCMP160808VER39 K/M/N	0.39		110	0.35	100
TCMP160808VER47 K/M/N	0.47		105	0.45	100
TCMP160808VER56 K/M/N	0.56		95	0.45	100
TCMP160808VER68 K/M/N	0.68		90	0.55	100
TCMP160808VER82 K/M/N	0.82		85	0.60	100
TCMP160808UE1R0 K/M/N	1.0		75	0.30	150
TCMP160808UE1R2 K/M/N	1.2		65	0.30	150
TCMP160808UE1R5 K/M/N	1.5		60	0.35	120
TCMP160808UE1R8 K/M/N	1.8		55	0.40	120
TCMP160808UE2R2 K/M/N	2.2		50	0.50	120
TCMP160808UE2R7 K/M/N	2.7		45	0.60	100
TCMP160808XE3R3 K/M/N	3.3		40	0.65	100
TCMP160808XE3R9 K/M/N	3.9		35	0.70	80
TCMP160808XE4R7 K/M/N	4.7		33	0.75	80
TCMP160808JE5R6 K/M/N	5.6		22	0.90	60
TCMP160808JE6R8 K/M/N	6.8		20	0.90	60
TCMP160808JE8R2 K/M/N	8.2		18	1.05	60
TCMP160808JE100 K/M/N	10		17	1.15	60
TCMP160808JE120 K/M/N	12		15	1.25	60

FERRITE CHIP INDUCTORS

TCMP2012

Part No.	Inductance (μ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	I _r (mA)Max
TCMP201209VE47NK/M/N	0.047	1	320	0.15	350
TCMP201209VE56NK/M/N	0.056		320	0.15	350
TCMP201209VE68NK/M/N	0.068		280	0.20	350
TCMP201209VE82NK/M/N	0.082		280	0.20	350
TCMP201209VER10K/M/N	0.10		235	0.20	350
TCMP201209VER12K/M/N	0.12		220	0.20	350
TCMP201209VER15K/M/N	0.15		200	0.20	350
TCMP201209VER18K/M/N	0.18		185	0.25	300
TCMP201209VER22K/M/N	0.22		170	0.25	300
TCMP201209VER27K/M/N	0.27		150	0.25	300
TCMP201209VER33K/M/N	0.33		145	0.25	300
TCMP201209VER39K/M/N	0.39		135	0.30	250
TCMP201209VER47K/M/N	0.47		125	0.30	250
TCMP201209VER56K/M/N	0.56		115	0.36	200
TCMP201209VER68K/M/N	0.68		105	0.36	200
TCMP201209VER82K/M/N	0.82		100	0.36	200
TCMP201209UE1R0K/M/N	1.0		75	0.26	220
TCMP201209UE1R2K/M/N	1.2		65	0.26	220
TCMP201209UE1R5K/M/N	1.5		60	0.30	180
TCMP201209UE1R8K/M/N	1.8		55	0.30	180
TCMP201209UE2R2K/M/N	2.2		50	0.36	150
TCMP201209UE2R7K/M/N	2.7		45	0.36	150
TCMP201209UE3R3K/M/N	3.3		41	0.40	120
TCMP201209UE3R9K/M/N	3.9		38	0.40	120
TCMP201209UE4R7K/M/N	4.7		35	0.40	120
TCMP201209XE5R6K/M/N	5.6		32	0.60	100
TCMP201209XE6R8K/M/N	6.8		29	0.60	100
TCMP201209XE8R2K/M/N	8.2		26	0.65	100
TCMP201209XE100K/M/N	10		24	0.65	100
TCMP201209XE120K/M/N	12		22	0.65	100
TCMP201209JE150K/M/N	15		19	0.75	50
TCMP201209JE180K/M/N	18		18	0.75	50
TCMP201209JE220K/M/N	22		16	0.75	50

FERRITE CHIP INDUCTORS

TCMP3216

Part No.	Inductance (μ H)	Test Fre. (MHz)	SRF (MHz)Min	DCR (Ω)Max	Ir (mA)Max
TCMP321609VE47NK/M/N	0.047	1	320	0.15	450
TCMP321609VE56NK/M/N	0.056		320	0.15	450
TCMP321609VE68NK/M/N	0.068		280	0.20	450
TCMP321609VE82NK/M/N	0.082		280	0.20	450
TCMP321609VER10K/M/N	0.10		235	0.20	350
TCMP321609VER12K/M/N	0.12		220	0.20	350
TCMP321609VER15K/M/N	0.15		200	0.20	350
TCMP321609VER18K/M/N	0.18		185	0.20	350
TCMP321609VER22K/M/N	0.22		170	0.20	350
TCMP321609VER27K/M/N	0.27		150	0.20	350
TCMP321609VER33K/M/N	0.33		145	0.20	350
TCMP321609VER39K/M/N	0.39		135	0.30	220
TCMP321609VER47K/M/N	0.47		125	0.30	220
TCMP321609VER56K/M/N	0.56		115	0.30	220
TCMP321609VER68K/M/N	0.68		105	0.30	220
TCMP321609VER82K/M/N	0.82		100	0.30	220
TCMP321609UE1R0K/M/N	1.0		75	0.20	250
TCMP321609UE1R2K/M/N	1.2		65	0.20	250
TCMP321609UE1R5K/M/N	1.5		60	0.25	250
TCMP321609UE1R8K/M/N	1.8		55	0.25	250
TCMP321609UE2R2K/M/N	2.2		50	0.30	200
TCMP321609UE2R7K/M/N	2.7		45	0.30	200
TCMP321609UE3R3K/M/N	3.3		41	0.30	200
TCMP321609UE3R9K/M/N	3.9		38	0.35	150
TCMP321609UE4R7K/M/N	4.7		35	0.35	150
TCMP321609UE5R6K/M/N	5.6		32	0.50	100
TCMP321609XE6R8K/M/N	6.8		29	0.50	100
TCMP321609XE8R2K/M/N	8.2		26	0.50	100
TCMP321609XE100K/M/N	10		24	0.50	100
TCMP321609XE120K/M/N	12		22	0.60	50
TCMP321609JE150K/M/N	15		19	0.80	50
TCMP321609JE180K/M/N	18		18	0.80	50
TCMP321609JE220K/M/N	22		16	1.00	50