














Power Inductors Selection Guide (Type)

SMD Type Series

Coils, Transformers

Series	Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
					1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
CP Series	1.0	3.0×3.0		C3-P1.0R	1.2μH	10μH				120-630	0.57-1.50	-
	1.2			C3-P1.2R	1.2μH	47μH				55-1,300	0.26-1.50	-
				C3-P1.2RA	1μH	18μH				65-750	0.52-2.00	-
	1.5			C3-P1.5R	1.5μH	47μH				58-1,050	0.33-2.40	-
		4.0×4.0		C4-P1.5R	1μH	47μH				45-850	0.35-2.85	-
	C4-P1.8R			1.2μH	68μH				40-920	0.37-2.70	-	
CZ Series	1.2	3.0×3.0		C3-Z1.2R	1.2μH	10μH				90-450	0.33-0.85	0.55-1.05
	1.5			C3-Z1.5R	2.2μH	22μH				90-800	0.25-0.80	0.30-1.00
	1.8			C3-Z1.8R	2.2μH	47μH				85-1,150	0.23-1.00	0.25-1.10
CY Series	1.2	3.8×3.8		C3-Y1.2R	1.2μH	22μH				69-790	0.20-1.40	0.30-1.30
	1.5			C3-Y1.5R	1μH	47μH				62-938	0.25-1.90	0.43-1.80
	1.8			C3-Y1.8R	1.2μH	47μH				68-820	0.30-1.80	0.30-1.90
	4.6×4.6		C4-Y1.2R	1μH	47μH				62-1,360	0.28-2.10	0.40-1.70	
			C4-Y1.5R	1μH	47μH				70-1,170	0.38-2.60	0.42-1.75	

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




Series	Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)		
					1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K	
CK Series	1.9	4.8×4.8		C4-K1.8R	1μH	150μH				18~1,420	0.22~2.40	0.30~3.20	
				C4-K1.8RA	1μH	150μH				22~2,100	0.31~3.50	0.19~2.30	
	3			C4-K3L	1μH	150μH (220μH)				12~485	0.20~1.95	-	
				C4-K3LA	1μH	150μH				13~976	0.36~3.00	0.44~4.00	
	1.9	5.6×5.6		C5-K1.8LA	1.2μH	150μH				17~1,452	0.30~3.10	0.32~3.37	
				3	C5-K1.8L	1μH	150μH				10~1,083	0.28~3.90	0.40~5.50
					C5-K3LGA	1.2μH	100μH				17~590	0.65~5.00	0.55~4.00
	1.9	6.6×6.6		C6-K1.8L	1μH	33μH				13~444	1.00~5.10	0.55~4.00	
				3.2	C6-K3LG	1μH	1,000μH				8~3,800	0.21~6.30	0.24~6.30
					5	C6-K5LGA	1.2μH	3,300μH				10~10,700	0.23~9.00
				C6-K5RA		1.5μH	100μH				14~390	1.1~8.5	1.0~5.8
	4	8.0×8.0		C8-K4L	1μH	150μH				10~421	0.73~7.00	-	
				5	C8-K5L	1μH	5,600μH				10~14,000	0.11~7.00	-
					C8-K5LA	1.2μH	150μH				11~438	1.10~10.3	0.85~7.00
	4	10.0×10.0		C10-K4L	1μH	4,700μH				11~12,700	0.15~7.10	-	
				6	C10-K6L	2.2μH	100μH				16~200	1.50~8.50	1.50~5.40
	4.5	11.5×11.5		C12-K4.5L	1μH	150μH				7~430	1.20~7.10	-	
				7.5	C12-K7.5L	1μH	5,600μH				6~5,500	0.28~23.5	0.27~12.0
4.5	13.0×13.0		C13-K4.5L	1μH	150μH				8~339	1.33~11.0	-		

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Power Inductors Selection Guide (Height)









SMD Type Series

Coils, Transformers











Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
1.0	3.0×3.0		C3-P1.0R	1.2μH	10μH				120-630	0.57-1.50	-
1.2	3.0×3.0		C3-P1.2R	1.2μH	47μH				55-1,300	0.26-1.50	-
			C3-P1.2RA	1μH	18μH				65-750	0.52-2.00	-
	3.0×3.0		C3-Z1.2R	1.2μH	10μH				90-450	0.33-0.85	0.55-1.05
	3.8×3.8		C3-Y1.2R	1.2μH	22μH				69-790	0.20-1.40	0.30-1.30
	4.6×4.6		C4-Y1.2R	1μH	47μH				62-1,360	0.28-2.10	0.40-1.70

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Power Inductors Selection Guide (Height)





Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
1.5	3.0×3.0		C3-P1.5R	1.5μH	47μH				58-1,050	0.33-2.40	-
	3.0×3.0		C3-Z1.5R	2.2μH	22μH				90-800	0.25-0.80	0.30-1.00
	3.8×3.8		C3-Y1.5R	1μH	47μH				62-938	0.25-1.90	0.43-1.80
	4.0×4.0		C4-P1.5R	1μH	47μH				45-850	0.35-2.85	-
	4.6×4.6		C4-Y1.5R	1μH	47μH				70-1,170	0.38-2.60	0.42-1.75
1.8	3.0×3.0		C3-Z1.8R	2.2μH	47μH				85-1,150	0.23-1.00	0.25-1.10
	3.8×3.8		C3-Y1.8R	1.2μH	47μH				68-820	0.30-1.80	0.30-1.90
	4.0×4.0		C4-P1.8R	1.2μH	68μH				40-920	0.37-2.70	-

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Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
1.9	4.8×4.8		C4-K1.8R	1μH	150μH				18-1,420	0.22-2.40	0.30-3.20
			C4-K1.8RA	1μH	150μH				22-2,100	0.31-3.50	0.19-2.30
	5.6×5.6		C5-K1.8L	1μH	150μH				10-1,083	0.28-3.90	0.40-5.50
			C5-K1.8LA	1.2μH	150μH				17-1,452	0.30-3.10	0.32-3.37
	6.6×6.6		C6-K1.8L	1μH	33μH				13-444	1.00-5.10	0.70-5.70
	3	4.8×4.8		C4-K3L	1μH	150μH (220μH)				12-485	0.20-1.95
C4-K3LA				1μH	150μH				13-976	0.36-3.00	0.44-4.00
5.6×5.6			C5-K3LGA	1.2μH	100μH				17-590	0.65-5.00	0.55-4.00
3.2	6.6×6.6		C6-K3LG	1μH	1,000μH				8-3,800	0.21-6.30	0.24-6.30
4	8.0×8.0		C8-K4L	1μH	150μH				10-421	0.73-7.00	-
	10.0×10.0		C10-K4L	1μH	4,700μH				11-12,700	0.15-7.10	-
4.5	11.5×11.5		C12-K4.5L	1μH	150μH				7-430	1.20-7.10	-
	13.0×13.0		C13-K4.5L	1μH	150μH				8-339	1.33-11.0	-

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Power Inductors Selection Guide (Height)






Height max.(mm)	Size typ.(mm)	Appearance	Model name	Inductance 1μH 10μH 100μH 1mH 10mH	DC Resistance typ.(mΩ)	Rated DC Current (A)	
						L=-10% or L=-30%	ΔT=25K or ΔT=40K
5	6.6×6.6		C6-K5LGA	1.2μH 3,300μH	10~10,700	0.23~9.00	0.14~6.50
			C6-K5RA	1.5μH 100μH	14~390	1.1~8.5	1.0~5.8
	8.0×8.0		C8-K5L	1μH 5,600μH	10~14,000	0.11~7.00	-
			C8-K5LA	1.2μH 150μH	11~438	1.10~10.3	0.85~7.00
6	10.0×10.0		C10-K6L	2.2μH 100μH	16~200	1.50~8.50	1.50~5.40
7.5	11.5×11.5		C12-K7.5L	1μH 5,600μH	6~5,500	0.28~23.5	0.27~12.0

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Power Inductors Selection Guide (Bottom Square)





SMD Type Series

Coils, Transformers





Size typ.(mm)	Height max.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
3.0×3.0	1.0		C3-P1.0R	1.2μH	10μH				120-630	0.57-1.50	-
	1.2		C3-P1.2R	1.2μH	47μH				55-1,300	0.26-1.50	-
		C3-P1.2RA	1μH	18μH				65-750	0.52-2.00	-	
	1.5		C3-Z1.2R	1.2μH	10μH				90-450	0.33-0.85	0.55-1.05
			C3-P1.5R	1.5μH	47μH				58-1,050	0.33-2.40	-
	1.8		C3-Z1.5R	2.2μH	22μH				90-800	0.25-0.80	0.30-1.00
		C3-Z1.8R	2.2μH	47μH				85-1,150	0.23-1.00	0.25-1.10	

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Power Inductors Selection Guide (Bottom Square)







Size typ.(mm)	Height max.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)	
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K
3.8×3.8	1.2		C3-Y1.2R	1.2μH	22μH				69-790	0.20-1.40	0.30-1.30
	1.5		C3-Y1.5R	1μH	47μH			62-938	0.25-1.90	0.43-1.80	
	1.8		C3-Y1.8R	1.2μH	47μH			68-820	0.30-1.80	0.30-1.90	
4.0×4.0	1.5		C4-P1.5R	1μH	47μH			45-850	0.35-2.85	-	
	1.8		C4-P1.8R	1.2μH	68μH			40-920	0.37-2.70	-	
4.6×4.6	1.2		C4-Y1.2R	1μH	47μH			62-1,360	0.28-2.10	0.40-1.70	
	1.5		C4-Y1.5R	1μH	47μH			70-1,170	0.38-2.60	0.42-1.75	

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				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K	
4.8×4.8	1.9		C4-K1.8R	1μH	150μH					18-1,420	0.22-2.40	0.30-3.20
			C4-K1.8RA	1μH	150μH					22-2,100	0.31-3.50	0.19-2.30
	3		C4-K3L	1μH	150μH (220μH)					12-485	0.20-1.95	-
			C4-K3LA	1μH	150μH					13-976	0.36-3.00	0.44-4.00
5.6×5.6	1.9		C5-K1.8LA	1.2μH	150μH					17-1,452	0.30-3.10	0.32-3.37
			C5-K1.8L	1μH	150μH					10-1,083	0.28-3.90	0.40-5.50
	3		C5-K3LGA	1.2μH	100μH					17-590	0.65-5.00	0.55-4.00
6.6×6.6	1.9		C6-K1.8L	1μH	33μH					13-444	1.00-5.10	0.70-5.70
	3.2		C6-K3LG	1μH	1,000μH					8-3,800	0.21-6.30	0.24-6.30
	5		C6-K5LGA	1.2μH	3,300μH					10-10,700	0.23-9.00	0.14-6.50
			C6-K5RA	1.5μH	100μH					14-390	1.1-8.5	1.0-5.8

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Power Inductors Selection Guide (Bottom Square)

Size typ.(mm)	Height max.(mm)	Appearance	Model name	Inductance					DC Resistance typ.(mΩ)	Rated DC Current (A)		
				1μH	10μH	100μH	1mH	10mH		L=-10% or L=-30%	ΔT=25K or ΔT=40K	
8.0×8.0	4		C8-K4L	1μH	150μH					10~421	0.73~7.00	-
	5		C8-K5L	1μH	5,600μH					10~14,000	0.11~7.00	-
			C8-K5LA	1.2μH	150μH					11~438	1.10~10.3	0.85~7.00
10.0×10.0	4		C10-K4L	1μH	4,700μH					11~12,700	0.15~7.10	-
	6		C10-K6L	2.2μH	100μH					16~200	1.50~8.50	1.50~5.40
11.5×11.5	4.5		C12-K4.5L	1μH	150μH					7~430	1.20~7.10	-
	7.5		C12-K7.5L	1μH	5,600μH					6~5,500	0.28~23.5	0.27~12.0
13.0×13.0	4.5		C13-K4.5L	1μH	150μH					8~339	1.33~11.0	-

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