

SLC/SLR Series

High current, low DCR power inductors



- Key**
- 1 Find your required inductance in the far left column.
 - 2 Scan the row until you find the desired current rating (bold number); parts from there to the right meet your requirement.
 - 3 Read up to see the Coilcraft product series and dimensions.

2.5	0.05
Isat (A)	DCR (mOhms)

NEW!



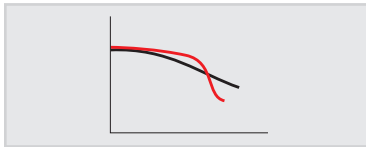
	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size	Actual size
	SLR4040	SLC7530S	SLC7530D	SLC7649	SLC1049	SLR1050	SLR1065	SLR1070	SLR7010	SLR1075	SLC1175	SLC1480	SLR1190
	Shielded	Shielded (Single)	Shielded (Dual)	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded	Shielded
Base (mm)	4.0 × 4.0	7.5 × 6.7	7.5 × 6.7	7.62 × 7.49	10.2 × 6.88	10.2 × 7.0	10.4 × 8.0	10.4 × 8.0	10 × 7.0	10.4 × 8.0	11.0 × 7.65	13.5 × 13	11.2 × 10.3
Height (mm)	4	3	3	4.96	5.16	4.95	6.6	7	10	7.4	7.2	8	9
Inductance													
0.022 µH	78.0 0.32												
0.036 µH				100 0.17									
0.050 µH	39.0 0.32	50 0.13		84 0.17									
0.064 µH	31.0 0.32	32 0.13											
0.070 µH				65 0.17							>100 0.24		
0.075 µH					61.0 0.230								
0.082 µH	24.0 0.32	22 0.13											
0.085 µH						86 0.39							
0.10 µH	18.5 0.32	20 0.13		42 0.17	50.0 0.230	78 0.39			113 0.17				
0.11 µH												130 0.15	
0.12 µH				33 0.17	37.0 0.230	65 0.39	86 0.48	86 0.29	98 0.17	93 0.29	88 0.24		
0.13 µH												112 0.15	
0.14 µH							75 0.48	78 0.29					
0.15 µH				27 0.17	30.0 0.230	51 0.39			75 0.17	72 0.29	76 0.24	97 0.15	100 0.43
0.17 µH							64 0.48	64 0.29		65 0.29	63 0.24	90 0.15	
0.18 µH													
0.19 µH			21 1.0										
0.20 µH									62 0.17		55 0.24	76 0.15	86 0.43
0.22 µH						35 0.39	51 0.48	51 0.29		53 0.29			
0.23 µH					25.5 0.230					49 0.29	49 0.24	67 0.15	72 0.43
0.25 µH								38 0.29	44 0.17				66 0.43
0.26 µH												61 0.15	
0.27 µH			14 1.0							41 0.29	40 0.24		58 0.43
0.28 µH								33 0.29					
0.30 µH							32 0.48	31 0.29		36 0.29	34 0.24	52 0.15	
0.31 µH													52 0.43
0.32 µH									32 0.17			48 0.15	
0.36 µH			11 1.0										
0.37 µH													41 0.43
0.40 µH			8 1.0										
0.44 µH												35 0.15	

For free evaluation samples or more information, visit www.coilcraft.com or call 800-322-2645.

MAGPro[®] Design Tools

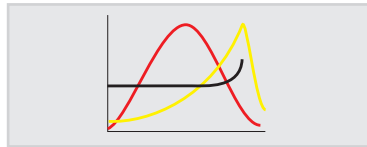


- The World's most powerful data-based inductor analysis tools
- Designed by engineers for engineers to help you find the optimal inductors for your designs quickly and easily
- Reduce design cycle time with confidence at ... www.coilcraft.com/tools



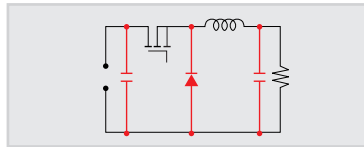
Power Inductor Finder & Analyzer

Identify the best power inductors for your specified parameters and review AC and DC losses, temperature rise, L vs. current, self-heating curves and more. Or if you already know your part number(s), skip the search and move directly to the performance analysis.



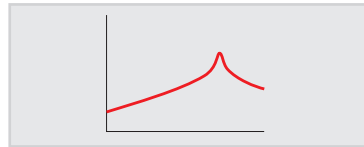
RF Inductor/Choke Finder & Analyzer

This powerful tool identifies the best RF inductors and chokes for your defined parameters. Search for L @ Frequency or Z @ Frequency for specific application conditions. Or skip the search function and proceed directly to performance analysis for known part number(s).



DC-DC Optimizer

This complete converter application tool finds the most efficient inductor solutions and analyzes their performance to optimize your Buck, Boost and Buck-boost converters.



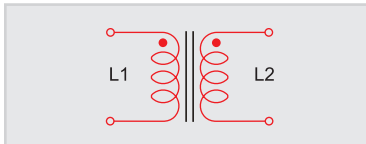
EMI Power Choke Impedance Finder

Identify the choke with the impedance characteristic for your frequency range. Find a choke based on your defined parameters or directly compare performance of selected part numbers.



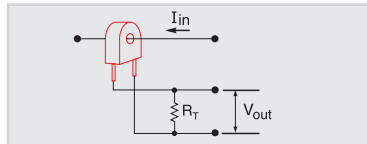
Common Mode Choke Finder and Analyzer

Find the best off-the-shelf common mode chokes for your required impedance, attenuation, or inductance. Or skip the search function and proceed directly to performance analysis for specific off-the-shelf part number(s).



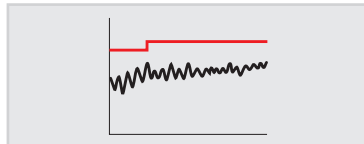
Common Mode Choke Finder & Analyzer

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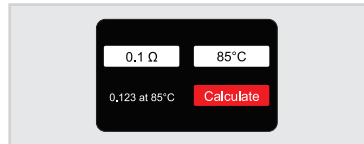
Coupled Inductor Finder & Analyzer

Identify the best coupled inductors for your specified parameters. Display AC and DC losses, temperature rise, L vs current, self-heating curves and more. Or skip the search function and jump right into performance analysis for part number(s) you already know.



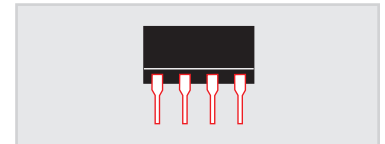
Current Transformer Finder

Match off-the-shelf current sense transformers to your application. See a list of suitable current transformers with a recommended terminating resistor.



Wirewound Ferrite Bead Finder & Analyzer

Display lists of off-the-shelf wirewound ferrite beads to meet your impedance @ Frequency and current rating requirements. See performance curves including Impedance and inductance vs. Frequency.



Reference Design Inductor Finder

Your inductor choices should not be limited to those chosen by the IC companies. This tool finds all the latest and greatest inductors suitable for the published reference design you're using.