

## SMD / SMT Inductors (Coils)

Feb. 27, 2026  
Simple Model

Commercial Grade for Power Circuits / VLS3012CX-1 series

### Circuit Diagram



### Circuit Parameters

Part No.	L1[ $\mu$ H]	R1[ohm]	C1[pF]	R2[ohm]
VLS3012CX-1R0M-1	1.0	4,900	2.012	0.0370
VLS3012CX-1R5M-1	1.5	1,900	1.815	0.0480
VLS3012CX-2R2M-1	2.2	4,300	2.452	0.0620
VLS3012CX-3R3M-1	3.3	3,500	2.205	0.0890
VLS3012CX-4R7M-1	4.7	5,800	2.224	0.1380
VLS3012CX-6R8M-1	6.8	7,100	2.168	0.1970
VLS3012CX-100M-1	10	8,500	2.921	0.2700
VLS3012CX-150M-1	15	12,000	3.147	0.4280
VLS3012CX-220M-1	22	13,000	3.982	0.5570
VLS3012CX-330M-1	33	21,000	2.917	0.8890
VLS3012CX-470M-1	47	16,000	3.769	1.2060
VLS3012CX-680M-1	68	41,000	3.446	1.9680
VLS3012CX-101M-1	100	36,000	4.942	2.8300