

INDUCTORS

Shielded SMD Power Inductor SCD Series

Features

- *Silver Plated Type, Low cost design
- *High power, High saturation inductors
- *Ideal inductors for DC/DC converters
- *With magnetically shielded against radiation
- *Available on tape and reel for automatic surface mounting

Applications

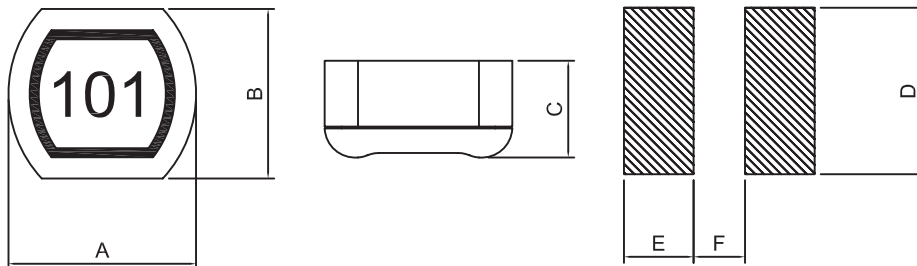
- *Power Supply for VTRs
- *LCD Televisions
- *Notebook PCs
- *Portable Communication
- *DC/DC Converters, etc.



Characteristics

- *Rated DC current: The current when the inductance becomes 25% lower than its initial value or the actual current when the temperature of coil increases to $\Delta 40^{\circ}\text{C}$. The smaller one is defined as Rated DC Current. ($T_a=25^{\circ}\text{C}$)
- *Operating temperature range: $-40\sim 85\text{ C}$

Dimensions (unit: mm)



Type	A	B	C	D	E	F
SCD63	6.2±0.30	5.6±0.30	3.2±0.30	5.5	2.3	1.7
SCD74	7.8±0.35	7.0±0.35	4.5±0.40	7.5	4.0	2.0
SCD105	10.0±0.40	9.0±0.40	5.0±0.50	9.5	5.0	2.5
SCD125	12.6±0.50	11.6±0.50	5.4±0.50	12.0	6.0	3.0

ORDER INFORMATION

KLS18 - SCD63 -103 K - R

- SCD63 : Type
- 103 : Inductance Code
- K : Tolerance
- R : Packing R: Reel packing B: Bulk packing

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PART NO.	INDUCTANCE(μH)	TEST FREQ	DCR(MAX)(Ω)	IDC(MAX)(A)
SCD63-100M	10	2.52MHz	0.14	1
SCD63-120M	12	2.52MHz	0.16	0.94
SCD63-150M	15	2.52MHz	0.18	0.8
SCD63-180M	18	2.52MHz	0.25	0.75
SCD63-220M	22	2.52MHz	0.32	0.7
SCD63-270M	27	2.52MHz	0.36	0.62
SCD63-330L	33	2.52MHz	0.41	0.6
SCD63-390L	39	2.52 MHz	0.47	0.5
SCD63-470L	47	2.52MHz	0.51	0.45
SCD63-560L	56	2.52MHz	0.72	0.4
SCD63-680L	68	2.52MHz	0.82	0.35
SCD74-100M	10	2.52MHz	0.07	1.6
SCD74-120M	12	2.52MHz	0.07	1.4
SCD74-150M	15	2.52MHz	0.08	1.2
SCD74-180M	18	2.52MHz	0.1	1.1
SCD74-220M	22	2.52MHz	0.13	0.9
SCD74-270M	27	2.52MHz	0.16	0.85
SCD74-330L	33	2.52MHz	0.18	0.8
SCD74-390L	39	2.52MHz	0.18	0.75
SCD74-470L	47	2.52MHz	0.27	0.7
SCD74-560L	56	2.52MHz	0.29	0.65
SCD74-680L	68	2.52MHz	0.33	0.6
SCD74-820L	82	2.52MHz	0.43	0.5
SCD74-101K	100	1KHz	0.49	0.45
SCD74-121K	120	1KHz	0.68	0.37
SCD74-151K	150	1KHz	0.94	0.3
SCD74-181K	180	1KHz	1.00	0.28
SCD74-221K	220	1KHz	1.18	0.25
SCD74-271K	270	1KHz	1.3	0.2

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PART NO.	INDUCTANCE(μ H)	TEST FREQ	DCR(MAX)(Ω)	IDC(MAX)(A)
SCD105-100M	10	2.52MHz	0.6	2.06
SCD105-120M	12	2.52M Hz	0.07	1.94
SCD105-150M	15	2.52MHz	0.07	1.72
SCD105-180M	18	2.52MHz	0.08	1.58
SCD105-220M	22	2.52MHz	0.08	1.42
SCD105-270M	27	2.52MHz	0.1	1.32
SCD105-330L	33	2.52MHz	0.11	1.16
SCD105-390L	39	2.52MHz	0.12	1.1
SCD105-470L	47	2.52MHz	0.14	1
SCD105-560L	56	2.52MHz	0.19	0.93
SCD105-680L	68	2.52MHz	0.21	0.85
SCD105-820L	82	2.52MHz	0.28	0.79
SCD105-101K	100	1KHz	0.34	0.72
SCD105-121K	120	1KHz	0.37	0.63
SCD105-151K	150	1KHz	0.51	0.55
SCD105-181K	180	1KHz	0.57	0.5
SCD105-221K	220	1K Hz	0.78	0.47
SCD105-271K	270	1KHz	0.87	0.41
SCD105-331K	330	1KHz	1.2	0.37
SCD105-391K	390	1KHz	1.34	0.35
SCD105-471K	470	1KHz	1.5	0.33
SCD125-100M	10	2.52MHz	0.05	2.65
SCD125-120M	12	2.52M Hz	0.05	2.5
SCD125-150M	15	2.52MHz	0.06	2.45
SCD125-180M	18	2.52MHz	0.06	2.4
SCD125-220M	22	2.52MHz	0.07	2.2
SCD125-270M	27	2.52MHz	0.08	2
SCD125-330M	33	2.52MHz	0.1	1.8
SCD125-390M	39	2.52MHz	0.11	1.65
SCD125-470M	47	2.52MHz	0.12	1.5
SCD125-560M	56	2.52MHz	0.15	1.38
SCD125-680M	68	2.52MHz	0.17	1.26
SCD125-820M	82	2.52MHz	0.2	1.14
SCD125-101M	100	1KHz	0.25	1.05
SCD125-121M	120	1KHz	0.28	0.95
SCD125-151M	150	1KHz	0.4	0.85
SCD125-181M	180	1KHz	0.48	0.77
SCD125-221M	220	1K Hz	0.52	0.7
SCD125-271M	270	1KHz	0.7	0.63
SCD125-331M	330	1KHz	0.8	0.57
SCD125-391M	390	1KHz	1.08	0.52
SCD125-471M	470	1KHz	1.2	0.48