

SMD Power Inductor



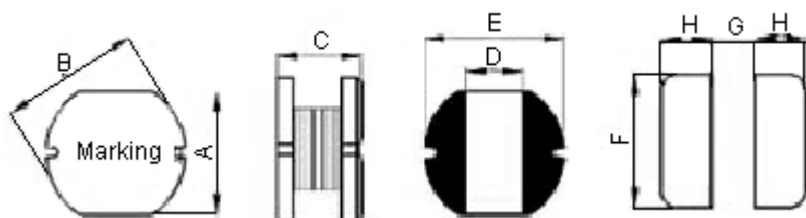
Features:

- Excellent terminal strength construction.
- Excellent solderability and high heat resistance.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications:

- Power supply for VCRs.
- LCD television set.
- Notebook computers.
- DC to DC converters etc.
- OA equipment.

Dimensions



Unit: millimetres

Series	A	B	C	D (Typical)	E	F	G	H
MCSD54	5.2 ±0.3	5.8 ±0.3	4.5 ±0.35	2.0	5.8 ±0.5	5.5	1.7	2.15
MCSD75	7.0 ±0.3	7.8 ±0.3	5.0 ±0.5	3.0	8.0 ±0.5	7.5	2.0	3.0

MCSD54 Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) Maximum	Rated DC Current (A) Maximum
MCSD54-1R0MU	1.0	100	0.0198	5.90
MCSD54-1R5MU	1.5	100	0.0257	4.70
MCSD54-1R8MU	1.8	100	0.0327	4.00
MCSD54-2R2MU	2.2	100	0.0410	3.80
MCSD54-2R7MU	2.7	100	0.0455	3.40
MCSD54-3R3MU	3.3	100	0.0555	3.30
MCSD54-4R7MU	4.7	100	0.0710	2.80

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MCSD54 Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω) Maximum	Rated DC Current (A) Maximum
MCSD54-6R8MU	6.8	100	0.0820	2.10
MCSD54-100MU	10	100	0.1000	1.44
MCSD54-120MU	12	100	0.1200	1.40
MCSD54-150LU	15	100	0.1400	1.30
MCSD54-180LU	18	100	0.1500	1.23
MCSD54-220LU	22	100	0.1800	1.11
MCSD54-270LU	27	100	0.2000	0.97
MCSD54-330KU	33	100	0.2300	0.88
MCSD54-390KU	39	100	0.3200	0.80
MCSD54-470KU	47	100	0.3700	0.72
MCSD54-560KU	56	100	0.4200	0.68
MCSD54-680KU	68	100	0.4600	0.61
MCSD54-820KU	82	100	0.5600	0.58
MCSD54-101KU	100	100	0.6500	0.52
MCSD54-121KU	120	100	0.8000	0.48
MCSD54-151KU	150	100	0.8500	0.40
MCSD54-181KU	180	100	1.0500	0.38

MCSD75 Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω) Maximum	Rated DC Current (A) Maximum
MCSD75-1R0U	1.0	100	0.009	7.00
MCSD75-1R5MU	1.5	100	0.015	5.00
MCSD75-2R2MU	2.2	100	0.018	4.10
MCSD75-2R7MU	2.7	100	0.020	4.00
MCSD75-3R3MU	3.3	100	0.022	3.80

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<http://www.newark.com>
<http://www.cpc.co.uk>



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MCSD75 Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω) Maximum	Rated DC Current (A) Maximum
MCSD75-3R9MU	3.9	100	0.025	3.68
MCSD75-4R7MU	4.7	100	0.031	3.35
MCSD75-5R6MU	5.6	100	0.035	3.07
MCSD75-6R8MU	6.8	100	0.046	2.78
MCSD75-8R2MU	8.2	100	0.055	2.53
MCSD75-100MU	10	100	0.045	2.30
MCSD75-120MU	12	100	0.060	2.00
MCSD75-150LU	15	100	0.080	1.80
MCSD75-180LU	18	100	0.090	1.60
MCSD75-220LU	22	100	0.100	1.50
MCSD75-270LU	27	100	0.110	1.30
MCSD75-330KU	33	100	0.130	1.20
MCSD75-390KU	39	100	0.160	1.15
MCSD75-470KU	47	100	0.180	1.10
MCSD75-560KU	56	100	0.220	0.94
MCSD75-680KU	68	100	0.280	0.85
MCSD75-820KU	82	100	0.320	0.78
MCSD75-101KU	100	100	0.400	0.72
MCSD75-121KU	120	100	0.430	0.66
MCSD75-151KU	150	100	0.560	0.58
MCSD75-181KU	180	100	0.650	0.51
MCSD75-221KU	220	100	0.760	0.49
MCSD75-271KU	270	100	1.000	0.42
MCSD75-331KU	330	100	1.200	0.40
MCSD75-391KU	390	100	1.500	0.36
MCSD75-471KU	470	100	1.750	0.34

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