



SDRS SERIES

High Current SMD Power Inductors Shielded SDRS0603, SDRS0704, SDRS1005, SDRS1205

FEATURES

- Current up to 2.6A
- Larg Current
- Flat-top for Pick & Place
- Low cost

OPTIONS

- Tape & Reel is Standard (2000pcs)
- Bulk Packaging Available for Smaller Qty
- Tolerance:K=10% & M=20% is Standard

APPLICATIONS

- Power supply for
- OA equipment.
- LCD TV
- Notebook PCs
- Portable communication equipment
- DC/DC converters, etc.

Part Number SDRS-XXXX	L (μH)	DCR Ohm Max.				IDC (A)			
		SDRS 603	SDRS 704	SDRS 1005	SDRS 1205	SDRS 603	SDRS 704	SDRS 1005	SDRS 1205
100M	10	0.14	0.07	0.06	0.05	1.00	1.65	2.06	2.65
120M	12	0.16	0.07	0.07	0.05	0.94	1.57	1.94	2.50
150M	15	0.18	0.08	0.07	0.06	0.86	1.39	1.72	2.45
180M	18	0.25	0.10	0.08	0.06	0.78	1.9	1.58	2.40
220M	22	0.32	0.13	0.08	0.07	0.76	1.12	1.42	2.20
270M	27	0.36	0.16	0.10	0.08	0.64	1.06	1.32	2.00
330M	33	0.41	0.18	0.11	0.10	0.61	0.97	1.16	1.80
390M	39	0.47	0.18	0.12	0.11	0.53	0.91	1.10	1.65
470M	47	0.51	0.27	0.14	0.12	0.50	0.80	1.00	1.50
560M	56	0.72	0.29	0.19	0.15	0.46	0.76	0.93	1.38
680M	68	0.82	0.33	0.21	0.17	0.42	0.68	0.85	1.26
820M	82	0.82	0.43	0.28	0.20	0.42	0.62	0.79	1.14
101M	100	0.82	0.49	0.34	0.25	0.42	0.55	0.72	1.05
121M	120	0.82	0.68	0.37	0.28	0.42	0.49	0.63	0.95
151M	150	0.82	0.94	0.51	0.40	0.42	0.44	0.55	0.85
181M	180	0.82	1.00	0.57	0.48	0.42	0.40	0.50	0.77
221M	220	0.82	1.18	0.78	0.52	0.42	0.36	0.47	0.70
271M	270	0.82	1.30	0.87	0.70	0.42	0.33	0.41	0.63
331M	330	0.82	1.30	1.20	0.80	0.42	0.33	0.37	0.57
391 M	390	0.82	1.30	1.34	1.08	0.42	0.33	0.5	0.52
471M	470	0.82	1.30	1.50	1.20	0.42	0.33	0.33	0.48
561M	560	0.82	1.30	1.50	1.34	0.42	0.33	0.33	0.44
681M	680	0.82	1.30	1.50	1.78	0.42	0.33	0.33	0.40
821M	820	0.82	1.30	1.50	2.00	0.42	0.33	0.33	0.36

- Testing: (Equivalent acceptable)
Inductance:HP4285A
RDC:QuadTech 1880 Milliohmmeter
-Q- HP4342A – SRF-HP4191A
- IDC Max:Determined when superimposed
DC current is decreased 10% against its initial value
- Operating temperature: -40°C to +85°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Ordering information:

- Type:Surface Mounting Type.
- Style:DR Core with RL core.
- Anductance:101 for 100uH.
- Anductance tolerance:M: ± 20%.

DIMENSIONS IN: mm

PAD LAYOUT

Part Number	A	B	C	D	H	I	J
SDRS-0603	6.2 ± 0.3	5.6 ± 0.3	3.2 ± 0.3	1.7	5.5	2.25	1.7
SDRS-0704	7.8 ± 0.35	7.0 ± 0.35	4.5 ± 0.4	1.9	7.5	4.0	2.0
SDRS-1005	10.0 ± 0.4	9.0 ± 0.4	5.0 ± 0.5	2.5	9.5	5.0	2.5
SDRS-1205	12.6 ± 0.5	11.6 ± 0.5	5.4 ± 0.5	3.0	12.0	6.0	3.0