

**MINIATURE LOW PROFILE SHIELDED
SMD POWER INDUCTORS
SERIES SLP**

FEATURES

- Miniature size. Low profile with maximum height of 4 mm. 100% ferrite shielded.
- Excellent solderability. High heat resistance. Low price
- Ideal for Notebook computers, Hard drives, Small electronic equipment, and high density boards.

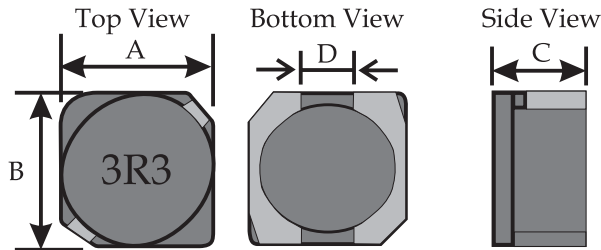
ELECTRICAL SPECIFICATIONS

- Inductance range Series SLP0403 from 1.2uH to 180uH
 Series SLP0503 from 2.5uH to 100uH
 Series SLP0604 from 3.3uH to 100uH
- Test frequency 100 KHz with test voltage level 0.5 Volts for SLP0403 series
 10 KHz with test voltage level 0.5 Volts for SLP0503 & SLP0604 series
- Test equipment Quadtech 1750 LCR Meter
- Rated current range Series SLP0403 from 0.22 Amps to 2.56 Amps
 Series SLP0503 from 0.42 Amps to 2.60 Amps
 Series SLP0604 from 0.65 Amps to 3.50 Amps
- Rated current Obtained when Lo drops 35% maximum

PHYSICAL SPECIFICATIONS

- Operating temperature - 40 °C to +105 °C
- Construction Surface mount, ferrite sleeve
- Shielding 100% ferrite
- Terminal Series SLP0403, SLP0503 - Gold, Nickel over Copper plate
 Series SLP0604 - Gold over Copper plate
- Marking Part number
- Packaging T & R SLP0403 2,000 pieces per reel
 SLP0503 1,500 pieces per reel
 SLP0604 1,000 pieces per reel
- Tape & reel spec. Tape 16 mm and 24 mm embossed carrier with plastic reel

DIMENSIONS IN MILLIMETERS



SERIES	A ($\pm 0.3\text{mm}$)	B ($\pm 0.3\text{mm}$)	C max.	D nominal	REMARKS
SLP0403	4.7	4.7	3.0	1.5	
SLP0503	5.7	5.7	3.0	2.0	
SLP0604	6.7	6.7	4.0	2.0	

ELECTRICAL SPECIFICATIONS

SERIES SLP0403

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (DC) max (A)
SLP0403-1R2N	1.2	30	0.024	2.56
SLP0403-1R8N	1.8	30	0.028	2.20
SLP0403-2R2N	2.2	30	0.032	2.04
SLP0403-2R7N	2.7	30	0.044	1.60
SLP0403-3R3N	3.3	30	0.050	1.57
SLP0403-3R9N	3.9	30	0.065	1.44
SLP0403-4R7N	4.7	30	0.072	1.32
SLP0403-5R6N	5.6	30	0.101	1.17
SLP0403-6R8N	6.8	30	0.109	1.12
SLP0403-8R2N	8.2	30	0.118	1.04
SLP0403-100N	10	30	0.129	1.00
SLP0403-120N	12	30	0.132	0.84
SLP0403-150N	15	30	0.150	0.76
SLP0403-180N	18	30	0.166	0.72
SLP0403-220N	22	30	0.235	0.70
SLP0403-270N	27	30	0.261	0.58
SLP0403-330N	33	30	0.332	0.56
SLP0403-390N	39	30	0.384	0.50
SLP0403-470N	47	30	0.587	0.48
SLP0403-560N	56	30	0.625	0.41
SLP0403-680N	68	30	0.700	0.35
SLP0403-820N	82	30	0.915	0.32
SLP0403-101N	100	30	1.020	0.29
SLP0403-121N	120	30	1.270	0.27
SLP0403-151N	150	30	1.350	0.24
SLP0403-181N	180	30	1.540	0.22

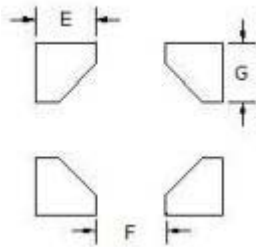
SERIES SLP0503

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (DC) max (A)
SLP0503-2R5N	2.5	30	0.018	2.60
SLP0503-3R0N	3.0	30	0.024	2.40
SLP0503-4R2N	4.2	30	0.031	2.20
SLP0503-5R3N	5.3	30	0.038	1.90
SLP0503-6R2N	6.2	30	0.045	1.80
SLP0503-8R2N	8.2	30	0.053	1.60
SLP0503-100N	10	30	0.065	1.30
SLP0503-120N	12	30	0.076	1.20
SLP0503-150N	15	30	0.103	1.10
SLP0503-180N	18	30	0.110	1.00
SLP0503-220N	22	30	0.122	0.90
SLP0503-270N	27	30	0.175	0.85
SLP0503-330N	33	30	0.189	0.75
SLP0503-390N	39	30	0.212	0.70
SLP0503-470N	47	30	0.250	0.62
SLP0503-560N	56	30	0.305	0.58
SLP0503-680N	68	30	0.355	0.52
SLP0503-820N	82	30	0.465	0.46
SLP0503-101N	100	30	0.520	0.42

SERIES SLP0604

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (DC) max (A)
SLP0604-3R3N	3.3	30	0.020	3.50
SLP0604-5R0N	5.0	30	0.024	2.90
SLP0604-6R2N	6.2	30	0.027	2.50
SLP0604-7R4N	7.4	30	0.031	2.30
SLP0604-8R7N	8.7	30	0.034	2.20
SLP0604-100N	10	30	0.038	2.00
SLP0604-120N	12	30	0.053	1.70
SLP0604-150N	15	30	0.057	1.60
SLP0604-180N	18	30	0.092	1.50
SLP0604-220N	22	30	0.096	1.30
SLP0604-270N	27	30	0.109	1.20
SLP0604-330N	33	30	0.124	1.10
SLP0604-390N	39	30	0.138	1.00
SLP0604-470N	47	30	0.155	0.95
SLP0604-560N	56	30	0.202	0.85
SLP0604-680N	68	30	0.234	0.75
SLP0604-820N	82	30	0.324	0.70
SLP0604-101N	100	30	0.358	0.65

LAND PATTERN



Area	SLP0403	SLP0503	SLP0604
E	1.80 mm ref.	2.05 mm ref.	2.55 mm ref.
F	1.70 mm ref.	2.20 mm ref.	2.20 mm ref.
G	1.80 mm ref.	2.05 mm ref.	2.55 mm ref.