



RL-6200

SHIELDED SMD

POWER INDUCTORS



Features:

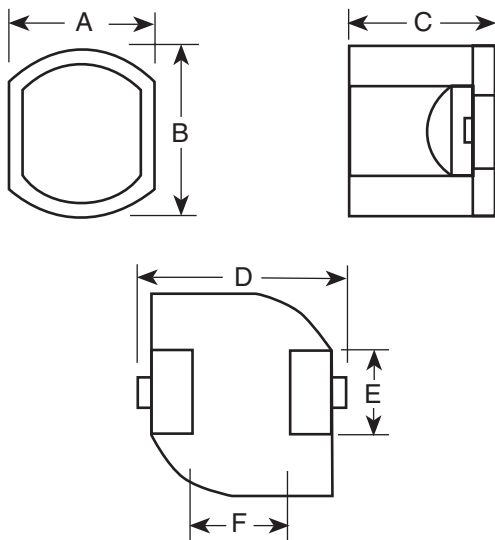
- Magnetically shielded construction.
- Inductance from 10 μ H to 1500 μ H.
- Operating currents from 0.30 Amps to 2.50 Amps.
- Operating frequencies from DC to 1MHz.
- Operating temperature range -40°C to 85°C.

Typical Applications:

- Switching Power Supplies
- RFI/EMC Filtering

TAPE AND REEL PACKAGING

PART NO.	PIECES PER REEL	PLASTIC REEL SIZE
RL-6200-1	900	13"
RL-6200-2	500	13"
RL-6200-3	500	13"



	RL-6200-1	RL6200-2	RL6200-3
A	.275 (7.0)	.354 (9.0)	.457 (11.6)
B	.307 (7.8)	.394 (10.0)	.496 (12.6)
C	.224 (5.7)	.224 (5.7)	.224 (5.7)
D	.413 (10.5)	.492 (12.5)	.590 (15.0)
E	.118 (3.0)	.118 (3.0)	.118 (3.0)
F	.146 (3.7)	.220 (5.6)	.323 (8.2)

DIMENSIONS IN INCHES (MM)



RENCO ELECTRONICS, INC.

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RL-6200-1	Inductance μ H	DCR Max. (Ω)	Rated CURRENT (Amps)
Renco Part No.	@ 1KHz		
RL-6200-1-10	10	0.05	1.60
RL-6200-1-12	12	0.06	1.50
RL-6200-1-15	15	0.07	1.40
RL-6200-1-18	18	0.08	1.30
RL-6200-1-22	22	0.10	1.10
RL-6200-1-27	27	0.10	1.00
RL-6200-1-33	33	0.15	0.92
RL-6200-1-39	39	0.15	0.84
RL-6200-1-47	47	0.20	0.76
RL-6200-1-56	56	0.25	0.68
RL-6200-1-68	68	0.30	0.63
RL-6200-1-82	82	0.30	0.58
RL-6200-1-100	100	0.40	0.50
RL-6200-1-120	120	0.45	0.46
RL-6200-1-150	150	0.55	0.40
RL-6200-1-180	180	0.70	0.38
RL-6200-1-220	220	0.75	0.36

RL-6200-2	Inductance μ H	DCR Max. (Ω)	Rated CURRENT (Amps)
Renco Part No.	@ 1KHz		
RL-6200-2-10	10	0.04	2.40
RL-6200-2-12	12	0.05	2.30
RL-6200-2-15	15	0.06	2.10
RL-6200-2-18	18	0.06	1.90
RL-6200-2-22	22	0.07	1.70
RL-6200-2-27	27	0.08	1.60
RL-6200-2-33	33	0.10	1.40
RL-6200-2-39	39	0.15	1.30
RL-6200-2-47	47	0.15	1.20
RL-6200-2-56	56	0.20	1.10
RL-6200-2-68	68	0.25	0.97
RL-6200-2-82	82	0.25	0.88
RL-6200-2-100	100	0.30	0.80
RL-6200-2-120	120	0.35	0.73
RL-6200-2-150	150	0.40	0.65
RL-6200-2-180	180	0.55	0.60
RL-6200-2-220	220	0.60	0.54
RL-6200-2-270	270	0.80	0.49
RL-6200-2-330	330	0.90	0.44
RL-6200-2-390	390	1.00	0.41
RL-6200-2-470	470	1.30	0.37

RL-6200-3	Inductance μ H	DCR Max. (Ω)	Rated CURRENT (Amps)
Renco Part No.	@ 1KHz		
RL-6200-3-10	10	0.05	2.50
RL-6200-3-12	12	0.05	2.40
RL-6200-3-15	15	0.06	2.30
RL-6200-3-18	18	0.70	2.20
RL-6200-3-22	22	0.80	2.10
RL-6200-3-27	27	0.10	2.00
RL-6200-3-33	33	0.10	1.90
RL-6200-3-39	39	0.12	1.80
RL-6200-3-47	47	0.14	1.60
RL-6200-3-56	56	0.15	1.40
RL-6200-3-68	68	0.18	1.30
RL-6200-3-82	82	0.20	1.20
RL-6200-3-100	100	0.25	1.10
RL-6200-3-120	120	0.30	0.97
RL-6200-3-150	150	0.35	0.86
RL-6200-3-180	180	0.40	0.84
RL-6200-3-220	220	0.50	0.72
RL-6200-3-270	270	0.60	0.65
RL-6200-3-330	330	0.70	0.61
RL-6200-3-390	390	0.80	0.58
RL-6200-3-470	470	0.90	0.50
RL-6200-3-560	560	1.10	0.48
RL-6200-3-680	680	1.20	0.43
RL-6200-3-820	820	1.50	0.38
RL-6200-3-1000	1000	2.00	0.35
RL-6200-3-1200	1200	2.20	0.32
RL-6200-3-1500	1500	2.50	0.30

NOTES:

1. $\pm 20\%$ tolerance with no D.C.
2. Rated current lowers inductance approx. 10%.
3. Measuring frequency 1 KHz.
4. DCR measured at 20°C.
5. Operating temperature range -40°C to +85°C.
6. Maximum temperature rise 50°C at rated current.



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