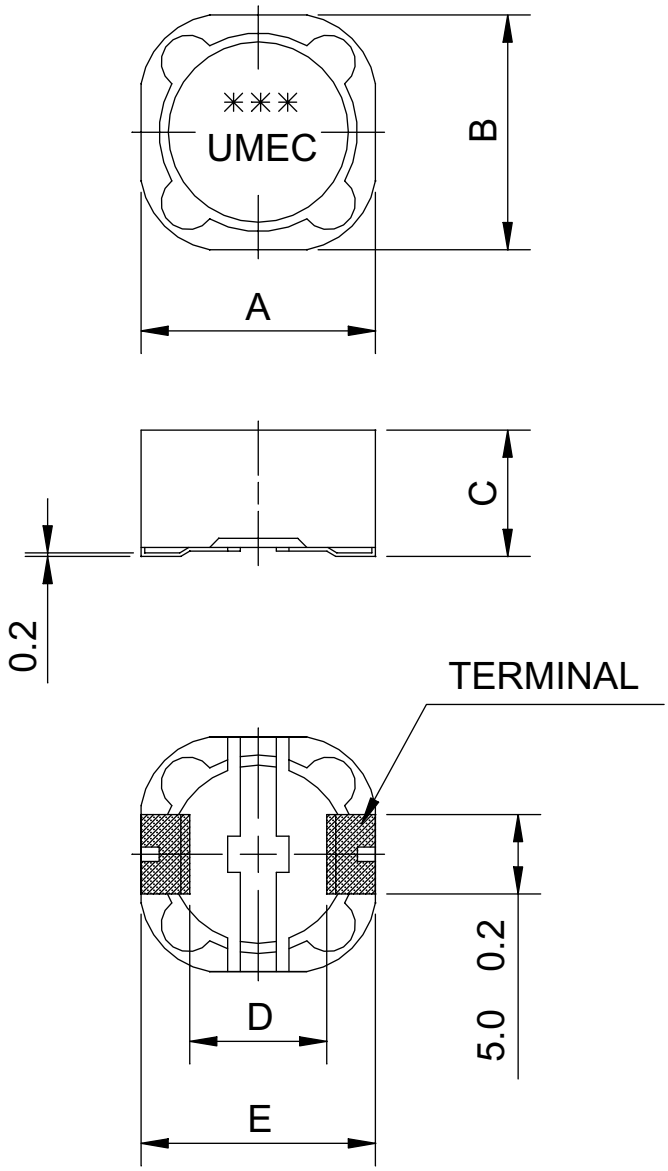
SMD POWER INDUCTORS

RH TYPE

CONFIGURATIONS & DIMENSIONS



PART NAME	A	B	C	D	E
RH124-xxx	12.0±0.3	12.0±0.3	4.5 MAX.	7.9±0.3	12.0±0.3
RH125-xxx	12.0±0.3	12.0±0.3	6.0 MAX.	7.9±0.3	12.0±0.3
RH127-xxx	12.0±0.3	12.0±0.3	8.0 MAX.	7.9±0.3	12.0±0.3

UMEC Europe
Universal Microelectronics
Homepage:www.umec.de

UMEC elektronische Komponenten GmbH
Kreuzenstraße 80 ● D-74076 Heilbronn
Tel. 07131/76170 ● Fax 07131/761720
e-mail: info@umec.de

SMD POWER INDUCTORS (RH124 TYPE)

ELECTRICAL SPECIFICATION @25^{0}C

UMEC PART NUMBER	MARK	INDUCTANCE(μH)	D.C.R(mΩ) MAX.	RATING CURRENT(A)
RH124-3R9	3R9	3.9±20%	15	6.5
RH124-4R7	4R7	4.7±20%	18	5.7
RH124-6R8	6R8	6.8±20%	23	4.9
RH124-8R2	8R2	8.2±20%	26	4.6
RH124-100	100	10±20%	28	4.5
RH124-120	120	12±20%	38	4.0
RH124-150	150	15±20%	50	3.2
RH124-180	180	18±20%	57	3.1
RH124-220	220	22±20%	66	2.9
RH124-270	270	27±20%	80	2.8
RH124-330	330	33±20%	97	2.7
RH124-390	390	39±20%	132	2.1
RH124-470	470	47±20%	150	1.9
RH124-560	560	56±20%	190	1.8
RH124-680	680	68±20%	220	1.5
RH124-820	820	82±20%	260	1.3
RH124-101	101	100±20%	308	1.2
RH124-121	121	120±20%	380	1.1
RH124-151	151	150±20%	530	0.95
RH124-181	181	180±20%	620	0.85
RH124-221	221	220±20%	700	0.8
RH124-271	271	270±20%	870	0.6
RH124-331	331	330±20%	990	0.5

*Test conditions 1.2uH ~ 7.6uH ; @100KHz , 1V

10uH ~ 1000uH ; @1KHz , 1V

**The value indicated means at which the inductance will be no less than 75% of its initial value, and with the condition that temperature rise $\Delta T \leq 40^0$C above Tamb.=25^{0}C.

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SMD POWER INDUCTORS (RH125 TYPE)

These are high power SMD inductors and superior to high saturation.
Tape and Reel package.
Operating Temperature : -30^{0}C~+100^{0}C
(Contain Heating Coil)Over 100MΩ at 100VD.C. between coil and core.
No dielectric breakdown at 100VD.C. for 1 minute between coil and core.

ELECTRICAL SPECIFICATION @25^{0}C

UMEC PART NUMBER	MARK	*INDUCTANCE(μH)	D.C.R(Ω) MAX.	**DC CURRENT(A) MAX.
RH125-100	100	10±20%	25.0m	4.00
RH125-120	120	12±20%	27.0m	3.50
RH125-150	150	15±20%	30.0m	3.30
RH125-180	180	18±20%	34.0m	3.00
RH125-220	220	22±20%	36.0m	2.80
RH125-270	270	27±20%	51.0m	2.30
RH125-330	330	33±20%	57.0m	2.10
RH125-390	390	39±20%	68.0m	2.00
RH125-470	470	47±20%	75.0m	1.80
RH125-560	560	56±20%	0.11	1.70
RH125-680	680	68±20%	0.12	1.50
RH125-820	820	82±20%	0.14	1.40
RH125-101	101	100±20%	0.16	1.30
RH125-121	121	120±20%	0.17	1.10
RH125-151	151	150±20%	0.23	1.00
RH125-181	181	180±20%	0.29	0.90
RH125-221	221	220±20%	0.40	0.80
RH125-271	271	270±20%	0.46	0.75
RH125-331	331	330±20%	0.51	0.68
RH125-391	391	390±20%	0.69	0.65
RH125-471	471	470±20%	0.77	0.58
RH125-561	561	560±20%	0.86	0.54
RH125-681	681	680±20%	1.20	0.48
RH125-821	821	820±20%	1.34	0.43
RH125-102	102	1000±20%	1.53	0.40

*Test conditions 1.2uH ~ 7.6uH ; @100KHz , 1V
10uH ~ 1000uH ; @1KHz , 1V

**The value indicated means at which the inductance will be no less than 75% of its initial value, and with the condition that temperature rise ΔT≤40^{0}C above Tamb.=25^{0}C.

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SMD POWER INDUCTORS (RH127 TYPE)

ELECTRICAL SPECIFICATION @25^{0}C

UMEC PART NUMBER	MARK	*INDUCTANCE(μH)	D.C.R(Ω) MAX.	**DC CURRENT(A) MAX.
RH127-1R2	1R2	1.2+40%-20%	7.0m	9.80
RH127-2R4	2R4	2.4+40%-20%	11.5m	8.00
RH127-3R5	3R5	3.5+40%-20%	13.5m	7.50
RH127-4R7	4R7	4.7+40%-20%	15.8m	6.80
RH127-6R1	6R1	6.1+40%-20%	17.6m	6.60
RH127-7R6	7R6	7.6+40%-20%	20.0m	5.90
RH127-100	100	10±20%	21.6m	5.40
RH127-120	120	12±20%	24.3m	4.90
RH127-150	150	15±20%	27.0m	4.50
RH127-180	180	18±20%	39.2m	3.90
RH127-220	220	22±20%	43.2m	3.60
RH127-270	270	27±20%	45.9m	3.40
RH127-330	330	33±20%	64.8m	3.00
RH127-390	390	39±20%	72.9m	2.75
RH127-470	470	47±20%	0.10	2.50
RH127-560	560	56±20%	0.11	2.35
RH127-680	680	68±20%	0.14	2.10
RH127-820	820	82±20%	0.16	1.95
RH127-101	101	100±20%	0.22	1.70
RH127-121	121	120±20%	0.25	1.60
RH127-151	151	150±20%	0.28	1.42
RH127-181	181	180±20%	0.35	1.30
RH127-221	221	220±20%	0.39	1.16
RH127-271	271	270±20%	0.56	1.06
RH127-331	331	330±20%	0.64	0.95
RH127-391	391	390±20%	0.70	0.88
RH127-471	471	470±20%	0.98	0.79
RH127-561	561	560±20%	1.07	0.73
RH127-681	681	680±20%	1.46	0.67
RH127-821	821	820±20%	1.64	0.60
RH127-102	102	1000±20%	1.82	0.55

*Test conditions 1.2uH ~ 7.6uH ; @100KHz , 1V

10uH ~ 1000uH ; @1KHz , 1V

**The value indicated means at which the inductance will be no less than 75% of its initial value, and with the condition that temperature rise $\Delta T \leq 40^0$C above Tamb.=25^{0}C.

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