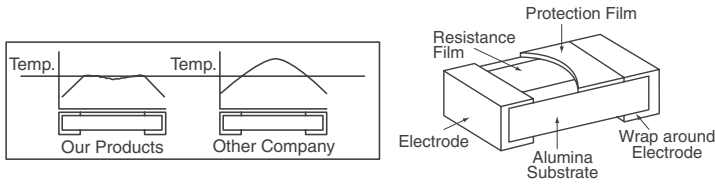
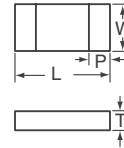


0402 / 0805 / 0815 / 0830 /1206 / 2512 SMD 1 %, 2 % und 5 % Dünnschicht-Chip-Widerstände – Serie RL für niedrigen Widerstand - 1/8, 1/4, 1/2, 1 und 2 W

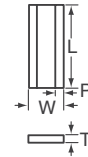
Die Serie RL der Stromabstchwiderstände von Susumu bietet hervorragende Wärmeverteilung, die die Verwendung von höheren Leistungen bei kleineren Paketen ermöglicht. Ihre patentierte Struktur schafft keine „hot spots“, sondern verteilt die Wärme gleichmäßig über die ganze Widerstandsfläche.
Eine spezielle Konstruktion gewährleistet kleine Abmessungen und verminderte Oberflächentemperaturen dank Wärmeabstrahlung und -leitung. Diese Konstruktion minimiert auch den Wärmeeinfluss auf umliegende Bereiche. Patent 2963671.



RL0510,
RL1220,
RL1632,
RL3264



RL3720,
RL3720W,
RL7520W



Abmessung (mm)	RL0510 (0402)	RL1220 (0805)	RL3720 (0815)	RL3720W (0815)	RL7520W (0830)	RL1632 (1206)	RL3264 (2512)
L	1.00 ±0.10	2.00 ±0.20	3.75 ±0.30	3.75 ±0.30	7.50 ±0.30	3.2 ±0.20	6.40 ±0.20
W	0.50 ±0.10	1.25 ±0.20	2.00 ±0.20	2.00 ±0.20	2.00 ±0.20	1.60 ±0.20	3.20 ±0.20
P	0.20 ±0.10	0.40 ±0.20	0.40 ±0.20	0.40 ±0.20	0.40 ±0.20	1.00 ±0.15	2.00 ±0.15
T	0.35 ±0.10	0.40 ±0.20	0.40 ±0.10	0.40, ±0.15/-0.10	0.40, ±0.15/-0.10	0.50 ±0.15	0.50 ±0.15

Typ	RL0510S-xxx-F RL0510S-xxx-G	RL1220S-xxx-F RL1220T-xxx-G RL1220S-xxx-G RL1220T-xxx-J	RL3720T-xxx-F RL3720S-xxx-F RL3720T-xxx-G RL3720S-xxx-G	RL3720WT-xxx-F RL3720WS-xxx-F RL3720WT-xxx-G RL3720WS-xxx-G	RL7520WT-xxx-F RL7520WS-xxx-F RL7520WT-xxx-G RL7520WS-xxx-G	RL1632T-xxx-F RL1632S-xxx-F RL1632R-xxx-F RL1632T-xxx-G	RL3264T-xxx-F RL3264S-xxx-F RL3264R-xxx-F RL3264T-xxx-G
Paketgröße	(0402)	(0805)	(0815)	(0815)	(0830)	(1206)	(2512)
Leistung	1/8W	1/4W	1/2W	1W	2W	1/2W	1W
Widerstandstoleranz	±1%(F) ±2%(G)	±1%(F) ±2%(G) ±5%(J)	±1%(F) ±2%(G) ±5%(J)	±1%(F) ±2%(G) ±5%(J)	±1%(F) ±2%(G) ±5%(J)	±1%(F) ±2%(G)	±1%(F) ±2%(G)
T.C.R. ppm/°C	0→+200(S)	0→+200(S) 0→+350(T)	0→+350(T) 0→+200(S)	0→+200(S) 0→+350(T)	0→+200(S) 0→+350(T)	+100(R) 0→+200(S) 0→+350(T)	+100(R) 0→+200(S) 0→+350(T)
Widerstandswerte	E-6	E-12	E-6	E-6	E-6	E-12	E-12

1 %, 1/8 W - Serie 0402 — Widerstandswerte

.15 .22 1.0 1.5 2.2 3.3 4.7

1 %, 1/4 W - Serie 0805 — Widerstandswerte

.10 .22 .47 .91 2.0 4.3 9.1
.11 .24 .50 1.00 2.20 4.70 10.0
.12 .27 .51 1.1 2.4 5.1
.13 .30 .56 1.2 2.70 5.6
.15 .33 .62 1.30 3.00 6.2
.16 .36 .68 1.50 3.30 6.8
.18 .39 .75 1.6 3.6 7.5
.20 .43 .82 1.80 3.9 8.2

1 %, 1/2 W - Serie 0815 — Widerstandswerte

.018 .022 .047 .10

1 %, 1/2 W - Serie 1206 — Widerstandswerte

.027 .051 .10 .20 .39 .75 1.5 3.0
.030 .056 .11 .22 .43 .82 1.6 3.3
.033 .062 .12 .24 .47 .91 1.8 3.6
.036 .068 .13 .27 .51 1.0 2.0 3.9
.039 .075 .15 .30 .56 1.1 2.2 4.3
.043 .082 .16 .33 .62 1.2 2.4 4.7
.047 .091 .18 .36 .68 1.3 2.7

1 %, 1 W - Serie 0815 — Widerstandswerte

.01 .02 .10 .22 .43 .68
.015 .05 .15 .33 .47 1.00

1 %, 1 W - Serie 2512 — Widerstandswerte

.027 .039 .056 .082 .12 .18 .27 .39
.033 .047 .068 .10 .15 .22 .33 .47

1 %, 2 W - Serie 0830 — Widerstandswerte

.01 .02 10 15 22 33 47

2 %, 1/8 W - Serie 0402 — Widerstandswerte

.15 .22 1.0 2.2

2 %, 1/4 W - Serie 0805 — Widerstandswerte

.022 .056 .10 .20 .33 .82 1.80 4.70
.033 .068 .12 .22 .36 1.00 2.20 10.0
.047 .075 .15 .24 .47 1.30 2.70
.05 .082 .18 .30 .68 1.50 3.30

2 %, 1/2 W - Serie 1206 — Widerstandswerte

.010 .012 .015 .018 .022
.011 .013 .016 .020 .024

2 %, 1/2 W - Serie 0815 — Widerstandswerte

.018 .02 .022 .04 .047 .10

2 %, 1 W - Serie 0815 — Widerstandswerte

.01 .012 .018 .022 .028 .033 .047 .068
.011 .015 .02 .025 .030 .04 .05

2 %, 1 W - Serie 2512 — Widerstandswerte

.010 .015 .022
.012 .018

2 %, 2 W - Serie 0830 — Widerstandswerte

.01 .015 .022 .039 .050
.012 .02 .033 .047 .068

5 %, 1/4 W - Serie 0805 — Widerstandswerte

.010 .013 .018 .024 .030 .039 .05 .062 .082
.011 .015 .020 .025 .033 .043 .051 .068 .091
.012 .016 .022 .027 .036 .047 .056 .075

5 %, 1 W - Serie 0815 — Widerstandswerte

.004 .005 .008

5 %, 2 W - Serie 0830 — Widerstandswerte

.001 .003 .005 .009
.002 .004 .006

Beschreibung	Wertebereich (Ω)	Digi-Key Teiln.	Gurtabschnittspreise			Digi-Key Teiln.	Paket- größe	Preisangaben für Gegurtert auf Rolle			Susumu Teiln.
			10	50	200			4.000	5.000	10.000	
1%, 0402, 1/8W	.15 ~ 4.7	RL05S(Wert)FCT-ND	5.00	13.47	30.94	RL05S(Wert)FTR-ND	10,000	—	—	52.83/M	RL0510S-xxx-F
2%, 0402, 1/8W	.15 ~ 2.2	RL05S(Wert)GCT-ND	4.77	12.84	29.50	RL05S(Wert)GTR-ND	10,000	—	—	50.12/M	RL0510S-xxx-G
1%, 0805, 1/4W	.10 ~ 10.0	RL12S(Wert)FCT-ND	2.91	7.83	17.99	RL12S(Wert)FTR-ND	5,000	—	30.23/M	28.45/M	RL1220S-xxx-F
2%, 0805, 1/4W	.022 ~ .082 .10 ~ 10.0	RL12T(Wert)GCT-ND	4.54	12.22	28.06	RL12T(Wert)GTR-ND	5,000	—	50.38/M	47.41/M	RL1220T-xxx-G
		RL12S(Wert)GCT-ND	2.91	7.83	17.99	RL12S(Wert)GTR-ND	5,000	—	30.23/M	28.45/M	RL1220S-xxx-G
5%, 0805, 1/4W	.010 ~ .091	RL12T(Wert)JCT-ND	3.50	9.40	21.59	RL12T(Wert)JTR-ND	5,000	—	37.42/M	35.22/M	RL1220T-xxx-J
1%, 0815, 1/2W	.018 ~ .047 .10	RL37T(Wert)FCT-ND	11.46	30.86	70.89	RL37T(Wert)FTR-ND	4,000	128.01/M	—	—	RL3720T-xxx-F
		RL37S(Wert)FCT-ND	11.52	31.01	71.24	RL37S(Wert)FTR-ND	4,000	128.69/M	—	—	RL3720S-xxx-F
2%, 0815, 1/2W	.018 ~ .047 .10	RL37T(Wert)GCT-ND	11.52	31.01	71.24	RL37T(Wert)GTR-ND	4,000	128.69/M	—	—	RL3720T-xxx-G
		RL37S(Wert)GCT-ND	10.48	28.19	64.76	RL37S(Wert)GTR-ND	4,000	116.50/M	—	—	RL3720S-xxx-G
1%, 0815, 1W	.01 ~ .05	RL37WT(Wert)FCT-ND	15.14	40.72	93.55	RL37WT(Wert)FTR-ND	4,000	170.68/M	—	—	RL3720WT-xxx-F
1%, 0815, 1W	.10 ~ 1.00	RL37WS(Wert)FCT-ND	15.14	40.72	93.55	RL37WS(Wert)FTR-ND	4,000	170.68/M	—	—	RL3720WS- xxx-F
2%, 0815, 1W	.01 ~ .068	RL37WT(Wert)GCT-ND	13.97	37.59	86.35	RL37WT(Wert)GTR-ND	4,000	157.13/M	—	—	RL3720WT-xxx-G
5%, 0815, 1W	.004 ~ .008	RL37WT(Wert)JCT-ND	16.76	45.11	103.62	RL37WT(Wert)JTR-ND	4,000	189.64/M	—	—	RL3720WT-xxx-J
1%, 0830, 2W	.01 ~ .02	RL75WT(Wert)FCT-ND	15.89	42.76	98.23	RL75WT(Wert)FTR-ND	4,000	184.90/M	—	—	RL7520WT-xxx-F
1%, 0830, 2W	.10 ~ .47	RL75WS(Wert)FCT-ND	16.36	44.01	101.11	RL75WS(Wert)FTR-ND	4,000	184.90/M	—	—	RL7520WS-xxx-F
2%, 0830, 2W	.01 ~ .068	RL75WT(Wert)GCT-ND	15.71	42.29	97.15	RL75WT(Wert)GTR-ND	4,000	177.45/M	—	—	RL7520WT-xxx-G
5%, 0830, 2W	.001 ~ .009	RL75WT(Wert)JCT-ND	17.93	48.24	110.82	RL75WT(Wert)JTR-ND	4,000	203.19/M	—	—	RL7520WT-xxx-J
1%, 1206, 1/2W	.027 ~ .030	RL16T(Wert)FCT-ND	9.78	26.31	60.45	RL16T(Wert)FTR-ND	5,000	—	115.14/M	108.37/M	RL1632T-xxx-F
1%, 1206, 1/2W	.033 ~ .051	RL16S(Wert)FCT-ND	9.78	26.31	60.45	RL16S(Wert)FTR-ND	5,000	—	115.14/M	108.37/M	RL1632S-xxx-F
1%, 1206, 1/2W	.056 ~ 4.7	RL16R(Wert)FCT-ND	9.78	26.31	60.45	RL16R(Wert)FTR-ND	5,000	—	115.14/M	108.37/M	RL1632R-xxx-F
2%, 1206, 1/2W	.010 ~ .024	RL16T(Wert)GCT-ND	9.78	26.31	60.45	RL16T(Wert)GTR-ND	5,000	—	115.14/M	108.37/M	RL1632T-xxx-G
1%, 2512, 1W	.027	RL32T(Wert)FCT-ND	23.75	63.90	146.80	RL32T(Wert)FTR-ND	5,000	—	287.85/M	270.92/M	RL3264T-xxx-F
1%, 2512, 1W	.033 ~ .047	RL32S(Wert)FCT-ND	23.75	63.90	146.80	RL32S(Wert)FTR-ND	5,000	—	287.85/M	270.92/M	RL3264S-xxx-F
1%, 2512, 1W	.056 ~ .47	RL32R(Wert)FCT-ND	23.75	63.90	146.80	RL32R(Wert)FTR-ND	5,000	—	287.85/M	270.92/M	RL3264R-xxx-F
2%, 2512, 1W	.010 ~ .022	RL32T(Wert)GCT-ND	23.75	63.90	146.80	RL32T(Wert)GTR-ND	5,000	—	287.85/M	270.92/M	RL3264T-xxx-G

1 % und 2 % SMD-Widerstände

Digi-Key® Sortimentkits

Digi-Key® 0805, 1 %, 1/4 W, Serie RL, SMD-Chip-Widerstandskits

RL1220SF-1-KIT-ND Je 10 der Werte 0,10 Ω ~ 6,8 Ω 16.89

Digi-Key® 0805, 2 %, 1/4 W, Serie RL, SMD-Chip-Widerstandskits

RL1220SG-1-KIT-ND Je 10 der Werte 0,10 Ω ~ 10,0 Ω 13.50