



RHC Series – High Power Thick Film Chip Resistors

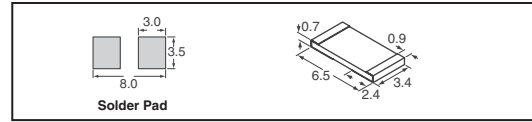


Features:

- 2 Watts of power
- Runs significantly cooler than standard thick film 2512 chip

Dimensions in mm

Type	Power Rating @ 70°C	Maximum Working Voltage	Temperature Coefficient
RHC2512	2 Watt	200	±100ppm/°C



RESISTANCE VALUE CHART

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
0.1 (R100)	15 (15R0)	150 (150R)	1.5K (1K50)	15K (15K0)
1 (1R00)	22 (22R0)	220 (220R)	2.2K (2K20)	22K (22K0)
2.49 (2R49)	33 (33R0)	330 (330R)	3.3K (3K30)	33K (33K0)
4.99 (4R99)	47 (47R0)	470 (470R)	4.7K (4K70)	47K (47K0)
7.5 (7R50)	68 (68R0)	680 (680R)	6.8K (6K80)	68K (68K0)
10 (10R0)	100 (100R)	1K (1K00)	10K (10K0)	100K (100K)

Resistance Range (Ω)	Wattage	Tolerance	Digi-Key Part No.§	Cut Tape Price Each			Digi-Key Part No.§	Tape and Reel Pricing 4,000
				1	10	50		
0.1 – 7.5	2	1%	RHC2512FT(Code)CT-ND	.92	.83	.69	RHC2512FT(Code)TR-ND	242.21/M
10 – 100K	2	1%	RHC2512FT(Code)CT-ND	.80	.73	.60	RHC2512FT(Code)TR-ND	213.02/M

§ For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code).

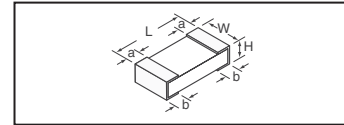
RNCS Series – Anti-Corrosive Tantalum Nitride Replacement Resistors



Features:

- Special passivation for moisture sensitive applications
- Test proven immunity to humidity and moisture corrosion
- Ideal replacement for costly tantalum nitride resistors

Type	Size Code	Dimensions — mm				
		L	W	H	a	b
RNCS0603	0603	1.6 ±0.2	0.8 ±0.2	0.4 ±0.1	0.3 ±0.2	0.3 ±0.2
RNCS0805	0805	2.0 ±0.2	1.25 ±0.2	0.4 ±0.1	0.4 ±0.2	0.4 ±0.2
RNCS1206	1206	3.2 ±0.2	1.6 ±0.2	0.5 ±0.1	0.5 ±0.3	0.4 ±0.2



RESISTANCE VALUE CHART — RNCS0603 and RNCS0805 Series

RESISTANCE VALUE CHART — RNCS1206 Series

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
10 (10R0)▲	249 (249R)†▲	1K (1K00)†▲	4.75K (4K75)†▲	20K (20K0)†▲	68.1K (68K1)†▲
49.9 (49R9)†▲	301 (301R)†▲	1.5K (1K50)†▲	4.99K (4K99)†▲	22.1K (22K1)†▲	75K (75K0)†▲
75 (75R0)†▲	332 (332R)†▲	2K (2K00)†▲	6.81K (6K81)†▲	24.9K (24K9)†▲	100K (100K)†▲
100 (100R)†▲	475 (475R)†▲	2.21K (2K21)†▲	7.5K (7K50)†▲	27.4K (27K4)†▲	150K (150K)†▲
121 (121R)†▲	499 (499R)†▲	2.49K (2K49)†▲	8.25K (8K25)†▲	30.1K (30K1)†▲	200K (200K)†▲
150 (150R)†▲	681 (681R)†▲	2.74K (2K74)†▲	10K (10K0)†▲	33.2K (33K2)†▲	249K (249K)†▲
200 (200R)†▲	750 (750R)†▲	3.01K (3K01)†▲	12.1K (12K1)†▲	47.5K (47K5)†▲	499K (499K)▲
221 (221R)†▲	825 (825R)†▲	3.32K (3K32)†▲	15K (15K0)†▲	49.9K (49K9)†▲	

Value (Code)
10 (10R0)
100 (100R)
1K (1K00)
10K (10K0)
100K (100K)
1M (1M00)

Resistance Range (Ω)	Wattage	Tolerance	TCR	Digi-Key Part No.§	Cut Tape Pricing			Digi-Key Part No.§	Tape and Reel Pricing 1,000
					1	10	50		
49.9 – 249K	0.1	±0.1%	±25ppm/°C	RNCS0603BKE(Code)CT-ND	.56	3.80	11.52	RNCS0603BKE(Code)TR-ND	64.06
10 – 499K	0.125	±0.1%	±25ppm/°C	RNCS0805BKE(Code)CT-ND	.62	4.19	12.66	RNCS0805BKE(Code)TR-ND	70.47
10 – 1M	0.25	±0.1%	±25ppm/°C	RNCS1206BKE(Code)CT-ND	.67	4.56	13.81	RNCS1206BKE(Code)TR-ND	76.88

§ For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code).

Kits

† RNCS0603BTEKITKIT-ND	RNCS 0603 Series Resistors Kit (20 each of values denoted)	86.41
▲ RNCS0805BTEKITKIT-ND	RNCS 0805 Series Resistors Kit (20 each of values denoted)	93.05

HVC Series High Voltage Chip Resistors



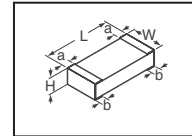
Features:

- Voltage ratings to 40,000 volts
- Utilizes fine film resistor deposition technology
- Superior pulse handling capabilities
- Low TCR to 25 ppm/°C
- Very low noise
- Ultra high stability

RESISTANCE VALUE CHART

Series	Dimensions – mm				
	L	W	H	a	b
HVCB1206	3.2 +.25/- .13	1.6 ±.13	0.76	.38 +.25/- .13	.38 +.25/- .13
HVCB2010	5.08 +.25/- .13	2.54 ±.13	0.76	.51 +.25/- .13	.51 +.25/- .13
HVCB2512	6.35 +.25/- .13	3.18 ±.13	0.76	.51 +.25/- .13	.51 +.25/- .13

HVCB1206		HVCB2010		HVCB2512	
Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
10K (10K0)	2M (2M00)	1M (1M00)	100K (100L)	20M (20M0)	
100K (100K)	10M (10M0)	10M (10M0)	499K (499K)	100M (100M)	
1M (1M00)	100M (100M)	100M (100M)	1M (1M00)	1G (1G00)	
			10M (10M0)		



Resistance Range (Ω)	Size Code	Wattage	Tolerance	Digi-Key Part No.§	Cut Tape Price Each				Digi-Key Part No.§	Tape and Reel Pricing 1,000
					1	10	50	100		
10K – 10M	1206	1/4	±1%	HVCB1206FKC(Code)CT-ND	2.59	2.35	2.09	1.88	HVCB1206FKC(Code)TR-ND	936.94
100M	1206	1/4	±1%	HVCB1206FKC100MCT-ND	3.70	3.37	3.03	2.70	HVCB1206FKC100MTR-ND	1429.43
1M – 10M	2010	3/4	±1%	HVCB2010FKC(Code)CT-ND	2.78	2.53	2.28	2.02	HVCB2010FKC(Code)TR-ND	1072.07
100M	2010	3/4	±1%	HVCB2010FKC100MCT-ND	3.97	3.66	3.21	2.89	HVCB2010FKC100MTR-ND	1601.60
100K – 20M	2512	1	±1%	HVCB2512FKC(Code)CT-ND	2.91	2.65	2.38	2.12	HVCB2512FKC(Code)TR-ND	1123.12
100M, 1G	2512	1	±1%	HVCB2512FKC(Code)CT-ND	4.22	3.88	3.41	3.07	HVCB2512FKC(Code)TR-ND	1701.70

§ For complete part number, substitute the corresponding code from the Resistance Value Chart for (Code).

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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