

Carbonfilm Resistors

CCR-02

(2 Flap FL24/10) 48 Values / 1.110 Pieces

Type/Fab: CFR25 (old 105-0) / Yageo Europe

Size: 0207 (2,3Øx6,3mm)

Value Range: 10Ohm-1Mohm (E6/E12)

Wattage: 0,25W

Tolerance: ±5%

Values-Quantities Selection:

10	30x	15	15x	22	15x	33	15x	47	15x	68	15x
100	30x	150	30x	180	15x	220	30x	270	15x	330	30x
390	15x	470	30x	560	15x	680	30x	820	15x	1K0	30x
1K2	15x	1K5	30x	1K8	15x	2K2	30x	2K7	15x	3K3	30x
3K9	15x	4K7	30x	5K6	15x	6K8	30x	8K2	15x	10K	30x
12K	15x	15K	30x	18K	15x	22K	30x	27K	15x	33K	30x
39K	15x	47K	30x	56K	15x	68K	30x	82K	15x	100K	30x

CCR-04

(5 Flap FL24/10) 120 Values / 2.340 Pieces
Binder: CCO-70 (Dimension: 318x260x70)

Type/Fab: 1 CFR25 (old 105-0) / Yageo Europe

Size: 0207 (2,3Øx6,3mm)

Value Range: 10Ohm-1M0hm (E24)

Wattage: 0,25W

Tolerance: ±5%

Values-Quantities Selection:

10	25x	11	5x	12	10x	13	5x	15	25x	16	5x
18	10x	20	5x	22	25x	24	5x	27	10x	30	5x
33	25x	36	5x	39	10x	43	5x	47	25x	51	5x
56	10x	62	5x	68	25x	75	5x	82	10x	91	5x
100	40x	110	10x	120	25x	130	10x	150	40x	160	10x
180	25x	200	10x	220	40x	240	10x	270	25x	300	10x
330	40x	360	10x	390	25x	430	10x	470	40x	510	10x
560	25x	620	10x	680	40x	750	10x	820	25x	910	10x
1K0	40x	1K1	10x	1K2	25x	1K3	10x	1K5	40x	1K6	10x
1K8	25x	2K0	10x	2K2	40x	2K4	10x	2K7	25x	3K0	10x
3K3	40x	3K6	10x	3K9	25x	4K3	10x	4K7	40x	5K1	10x
5K6	25x	6K2	10x	6K8	40x	7K5	10x	8K2	25x	9K1	10x
10K	40x	11K	10x	12K	25x	13K	10x	15K	40x	16K	10x
18K	25x	20K	10x	22K	40x	24K	10x	27K	25x	30K	10x
33K	40x	36K	10x	39K	25x	43K	10x	47K	40x	51K	10x
56K	25x	62K	10x	68K	40x	75K	10x	82K	25x	91K	10x
100K	40x	110K	10x	120K	25x	130K	10x	150K	40x	160K	10x
180K	25x	200K	10x	220K	40x	240K	10x	270K	25x	300K	10x
330K	40x	360K	10x	390K	25x	430K	10x	470K	40x	510K	10x
560K	25x	620K	10x	680K	40x	750K	10x	820K	25x	1M0	40x

CCR-06**(1 Flap FL24/10) 24 Values / 288 Pieces****Type/Fab:** NAS1/2 / Hokuriku or alternative**Size:** 0411 (3,7Øx8,5mm)**Value Range:** 0,47Ohm-8,2Ohm (E12) 1,2MOhm-4,7MOhm (E12)**Wattage:** 0,5W**Tolerance:** ±5%**Values-Quantities Selection:**

R47	30x	R56	15x	R68	30x	R82	15x	1R0	30x	1R2	15x
1R5	30x	1R8	15x	2R2	30x	2R7	15x	3R3	30x	3R9	15x
4R7	30x	5R6	15x	6R8	30x	8R2	15x	1M2	15x	1M5	30x
1M8	15x	2M2	30x	2M7	15x	3M3	30x	3M9	15x	4M7	30x

Metal Oxide Resistors

CCR-03

(2 Flap FL24/10) 48 Values / 810 Pieces
Miniature Power Resistors

Type/Brand: RNS-RSS1 / FUKUSHIMA FUTABA

Size: 0309 (2,8øx 9,5mm)

Wattage: 1,0W

Tolerance: ±5%

Values: 0,22Ohm-47KOhm (E6/E12)

TC: 350 ppm/°C

Values-Quantities Selection:

0,22	20x	0,33	20x	0,47	20x	0,68	20x	1	20x	1,5	20x
2,2	20x	3,3	20x	4,7	20x	6,8	20x	10	20x	15	20x
22	20x	33	20x	47	20x	68	20x	100	20x	150	20x
180	10x	220	20x	270	10x	330	20x	390	10x	470	20x
560	10x	680	20x	820	10x	1K0	20x	1K2	10x	1K5	20x
1K8	10x	2K2	20x	2K7	10x	3K3	20x	3K9	10x	4K7	20x
5K6	10x	6K8	20x	8K2	10x	10K	20x	12K	10x	15K	20x
18K	10x	22K	20x	27K	10x	33K	20x	39K	10x	47K	20x

Metalfilm Resistors

CBR-11

(2 Flap FL24/10) 48 Values / 1.850 Pieces

Type/Brand: MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag

Wattage: 0,4W at +70°C

Value Range: 10Ω-1MΩ (E6/E12)

Tolerance: ±1%

TC: 50ppm/°C

Values-Quantities Selection:

10	50x	15	25x	22	25x	33	25x	47	25x	68	25x
100	50x	150	50x	180	25x	220	50x	270	25x	330	50x
390	25x	470	50x	560	25x	680	50x	820	25x	1K0	50x
1K2	25x	1K5	50x	1K8	25x	2K2	50x	2K7	25x	3K3	50x
3K9	25x	4K7	50x	5K6	25x	6K8	50x	8K2	25x	10K	50x
12K	25x	15K	50x	18K	25x	22K	50x	27K	25x	33K	50x
39K	25x	47K	50x	56K	25x	68K	50x	82K	25x	100K	50x
150K	50x	220K	50x	330K	50x	470K	50x	680K	50x	1M0	50x

CBR-12

(2 Flap FL24/10) 48 Values / 1.480 Pieces

Type/Brand: MBB 0207-50 (2,5ø x 6,3mm) / Vishay Beyschlag

Wattage: 0,6W at +70°C

Value Range: 10Ω-1MΩ (E6/E12)

Tolerance: ±1%

TC: 50ppm/°C

Values-Quantities Selection:

10	40x	15	20x	22	20x	33	20x	47	20x	68	20x
100	40x	150	40x	180	20x	220	40x	270	20x	330	40x
390	20x	470	40x	560	20x	680	40x	820	20x	1K0	40x
1K2	20x	1K5	40x	1K8	20x	2K2	40x	2K7	20x	3K3	40x
3K9	20x	4K7	40x	5K6	20x	6K8	40x	8K2	20x	10K	40x
12K	20x	15K	40x	18K	20x	22K	40x	27K	20x	33K	40x
39K	20x	47K	40x	56K	20x	68K	40x	82K	20x	100K	40x
150K	40x	220K	40x	330K	40x	470K	40x	680K	40x	1M0	40x

CBR-13

(6 Flap FL24/10) 144 Values / 3.715 Pieces**Type/Brand:** MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag**Wattage:** 0,4W at +70°C**Value Range:** 1,0Ω-10MΩ (E12/E24)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder:** CCO-70 (Dimensions: 318x260x70)**Values-Quantities Selection:**

1	40x	1,2	25x	1,5	40x	1,8	25x	2,2	40x	2,7	25x
3,3	40x	3,9	25x	4,7	40x	5,6	25x	6,8	40x	8,2	25x
10	40x	11	10x	12	25x	13	10x	15	40x	16	10x
18	25x	20	10x	22	40x	24	10x	27	15x	30	10x
33	40x	36	10x	39	25x	43	10x	47	40x	51	10x
56	25x	62	10x	68	40x	75	10x	82	25x	91	10x
100	50x	110	10x	120	30x	130	10x	150	50x	160	10x
180	30x	20x	10x	220	50x	240	10x	270	30x	300	10x
330	50x	360	10x	390	30x	430	10x	470	50x	510	10x
560	30x	620	10x	680	50x	750	10x	820	30x	910	10x
1K0	50x	1K1	10x	1K2	30x	1K3	10x	1K5	50x	1K6	10x
1K8	30x	2K0	10x	2K2	50x	2K4	10x	2K7	30x	3K0	10x
3K3	50x	3K6	10x	3K9	30x	4K3	10x	4K7	50x	5K1	10x
5K6	30x	6K2	10x	6K8	50x	7K5	10x	8K2	30x	9K1	10x
10K	50x	11K	10x	12K	30x	13K	10x	15K	50x	16K	10x
18K	30x	20K	10x	22K	50x	24K	10x	27K	30x	30K	10x
33K	50x	36K	10x	39K	30x	43K	10x	47K	50x	51K	10x
56K	30x	62K	10x	68K	50x	75K	10x	82K	30x	91K	10x
100K	50x	110K	10x	120K	30x	130K	10x	150K	50x	160K	10x
180K	30x	200K	10x	220K	50x	240K	10x	270K	30x	300K	10x
330K	50x	360K	10x	390K	30x	430K	10x	470K	50x	510K	10x
560K	30x	620K	10x	680K	50x	750K	10x	820K	30x	910K	10x
1M0	40x	1M2	25x	1M5	40x	1M8	25x	2M2	40x	2M7	25x
3M3	40x	3M9	25x	4M7	40x	5M6	25x	6M8	40x	10M	40x

CBR-14**(6 Flap FL24/10) 144 Values / 3.080 Pieces****Type/Brand:** MBB 0207-50 (2,5ø x 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 1,0Ω-10MΩ (E12/E24)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder: CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:**

1	30x	1,2	20x	1,5	30x	1,8	20x	2,2	30x	2,7	20x
3,3	30x	3,9	4,7	30x	5,6	20x	6,8	30x	8,2	20x	
10	30x	11	10x	12	20x	13	10x	15	30x	16	10x
18	20x	20	10x	22	30x	24	10x	27	20x	30	10x
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33	30x	36	10x	39	20x	43	10x	47	30x	51	10x
56	20x	62	10x	68	30x	75	10x	82	20x	91	10x
100	40x	110	10x	120	25x	130	10x	150	Ü€x	160	10x
180	25x	200	10x	220	40x	240	10x	270	25x	300	10x
330	40x	360	10x	390	25x	430	10x	470	40x	510	10x
560	25x	620	10x	680	40x	750	10x	820	25x	910	10x
1K0	40x	1K1	10x	1K2	25x	1K3	10x	1K5	40x	1K6	10x
1K8	25x	2K0	10x	2K2	40x	2K4	10x	2K7	25x	3K0	10x
3K3	40x	3K6	10x	3K9	25x	4K3	10x	4K7	40x	5K1	10x
5K6	25x	6K2	10x	6K8	40x	7K5	10x	8K2	25x	9K1	10x
10K	40x	11K	10x	12K	25x	13K	10x	15K	40x	16K	10x
18K	25x	20K	10x	22K	40x	24K	10x	27K	25x	30K	10x
33K	40x	36K	10x	39K	25x	43K	10x	47K	40x	51K	10x
56K	25x	62K	10x	68K	40x	75K	10x	82K	25x	91K	10x
100K	40x	110K	10x	120K	25x	130K	10x	150K	40x	160K	10x
180K	25x	200K	10x	220K	40x	240K	10x	270K	25x	300K	10x
330K	40x	360K	10x	390K	25x	430K	10x	470K	40x	510K	10x Ü€>
560K	25x	620K	10x	680K	40x	750K	10x	820K	25x	910K	10x
1M0	40x	1M2	20x	1M5	30x	1M8	20x	2M2	30x	2M7	20x
3M3	30x	3M9	20x	4M7	30x	5M6	20x	6M8	10M	30x	

CBR-15**(10 Flap FL24/10) 240 Values / 9.600 Pieces****Type/Brand:** MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag**Wattage:** 0,4W at +70°C**Value Range:** 10Ω-1MΩ (E48)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder: 2 x CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:****240 Values x 40 = 9.600 Pieces (Exception: 953kOhm)****CBR-16****(10 Flap FL24/10) 240 Values / 7.200 Pieces****Type/Brand:** MBB 0207-50 (2,5ø x 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 10Ω-1MΩ (E48)**Tolerance:**

±1%

TC: 50ppm/°C**Binder: 2 x CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:****240 Values x 30 = 7.200 Pieces (Exception: 953KOhm)****CBR-17****(20 Flap FL24/10) 480 Values / 19.200 Pieces****Type/Brand:** MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag**Wattage:** 0,4W at +70°C**Value Range:** 10Ω-1MΩ (E96)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder: 3 x CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:****480 Values x 40 = 19.200 Pieces (Exception: 976KOhm)**

CBR-18**(20 Flap FL24/10) 480 Values / 14.400 Pieces****Type/Brand:** MBB 0207-50 (2,5ø x 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 10Ω-1MΩ (E96)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder: 3 x CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:****480 Values x 30 = 14.400 Pieces (Exception: 976KOhm)****CBR-19****(1 Flap FL16/10 + 2 Flap FL24/10) 64 Values / 2.560 Pieces****Type/Brand:** MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag**Wattage:** 0,4W at +70°C**Value Range:** 0,22Ω-9,53Ω (E24/E48)**Tolerance:** ±5% (0,22Ω-0,91Ω), ±1% (1,0-9,53Ω)**TC:** 50ppm/°C**Binder: CCO-40 (Dimensions: 319x260x45)****Values-Quantities Selection: 40 pieces each**

0	0,22	0,27	0,3		
0,33	0,36	0,39	0,43		
0,47	0,51	0,56	0,62		
0,68	0,75	0,82	0,91		
1	1,05	1,1	1,15	1,21	1,27
1,33	1,4	1,47	1,54	1,62	1,69
1,78	1,87	1,96	2,05	2,15	2,26
2,37	2,49	2,61	2,74	2,87	3,01
3,16	3,32	3,48	3,65	3,83	4,02
4,22	4,42	4,64	4,87	5,11	5,36
5,62	5,9	6,19	6,49	6,81	7,15
7,4	7,87	8,25	8,66	9,09	9,5

CBR-20**(1 Flap FL16/10 + 2 Flap FL24/10) 64 Values / 1.920 Pieces****Type/Brand:** MBB 0207-50 (2,5øx 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 0,22Ω-9,53Ω (E24/E48)**Tolerance:** ±5% (0,22Ω-0,91Ω) / ±1% (1,0Ω-9,53Ω)**TC:** 50ppm/°C**Binder: CCO-40 (Dimensions: 319x260x45)****Values-Quantities Selection: each 30 pieces**

0	0,22	0,27	0,3		
0,33	0,36	0,39	0,43		
0,47	0,51	0,56	0,62		
0,68	0,75	0,82	0,91		
1	1,05	1,1	1,15	1,21	1,27
1,33	1,4	1,47	1,54	1,62	1,69
1,78	1,87	1,96	2,05	2,15	2,26
2,37	2,49	2,61	2,74	2,87	3,01
3,16	3,32	3,48	3,65	3,83	4,02
4,22	4,42	4,64	4,87	5,11	5,36
5,62	5,9	6,19	6,49	6,81	7,15
7,4	7,87	8,25	8,66	9,09	9,53

CBR-21**(2 Flap FL24/10) 48 Values / 1.920 Pieces****Type/Brand:** MBA 0204-50 (1,6ø x 3,6mm) / Vishay Beyschlag**Wattage:** 0,4W at +70°**Value Range:** 1,05MΩ-10MΩ (E48)**Tolerance:** ±1%**TC:** 50ppm/°C**Values-Quantities Selection:****48 Values x 40 = 1.920 Pieces**

CBR-22**(2 Flap FL24/10) 48 Values / 1.440 Pieces****Type/Brand:** MBB 0207-50 (2,5ø x 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 1,05MΩ-22MΩ (E48/24/12)**Tolerance:** ±1% / ±5%**TC:** 50ppm/°C**Values-Quantities Selection : each 30 pieces**

1M05	1M10	1M15	1M21	1M27	1M33
1M40	1M47	1M54	1M62	1M69	1M78
1M87	1M96	2M05	2M15	2M26	2M37
2M49	2M61	2M74	2M87	3M01	3M16
3M32	3M48	3M65	3M83	4M02	4M22
4M42	4M64	4M87	5M11	5M36	5M62
5M90	6M19	6M49	6M81	7M50	8M20
9M10	10M0	12M0	15M0	18M0	22M0

CCR-12**(2 Flap FL24/10) 48 Values / 1.110 Pieces****Type/Brand:** MF0207 / Yageo Europe or alternative**Size :** 0207 (2,5øx6,5mm)**Wattage:** 0,6W at +70°C**Value Range:** 10Ω-1MΩ (E6/E12)**Tolerance:** ±1%**TC:** 50ppm/°C**Values-Quantities Selection:**

10	30x	15	15x	22	15x	33	15x	47	15x	68	15x
100	30x	150	30x	180	15x	220	30x	270	15x	330	30x
390	15x	470	30x	560	15x	680	30x	820	15x	1K0	30x
1K2	15x	1K5	30x	1K8	15x	2K2	30x	2K7	15x	3K3	30x
3K9	15x	4K7	30x	5K6	15x	6K8	30x	8K2	15x	10K	30x
12K	15x	15K	30x	18K	15x	22K	30x	27K	15x	33K	30x
39K	15x	47K	30x	56K	15x	68K	30x	82K	15x	100K	30x
150K	30x	220K	30x	330K	30x	470K	30x	680K	30x	1M0	30x

CCR-13**(5 Flap FL24/10) 120 Values / 2.340 Pieces****Type/Brand:** MF0207 / Yageo Europe or alternative**Size:** 0207 (2,5øx6,5mm)**Wattage:** 0,6W at +70°C**Value Range:** 10Ω-1MΩ (E24)**Tolerance:** ±1%**TC:** 50ppm/°C**Binder: CCO-70 (Dimensions: 318x260x70)****Values-Quantities Selection:**

10	25x	11	5x	12	10x	13	5x	15	25x	16	5x
18	10x	20	5x	22	25x	24	5x	27	10x	30	5x
33	25x	36	5x	39	10x	43	5x	47	25x	51	5x
56	10x	62	5x	68	25x	75	5x	82	10x	91	5x
100	40x	110	10x	120	25x	130	10x	150	40x	160	10x
180	25x	200	10x	220	40x	240	10x	270	25x	300	10x
330	40x	360	10x	390	25x	430	10x	470	40x	510	10x
560	25x	620	10x	680	40x	750	10x	820	25x	910	10x
1K0	40x	1K1	10x	1K2	25x	1K3	10x	1K5	40x	1K6	10x
1K8	25x	2K0	10x	2K2	40x	2K4	10x	2K7	25x	3K0	10x
3K3	40x	3K6	10x	3K9	25x	4K3	10x	4K7	40x	5K1	10x
5K6	25x	6K2	10x	6K8	40x	7K5	10x	8K2	25x	9K1	10x
10K	40x	11K	10x	12K	25x	13K	10x	15K	40x	16K	10x
18K	25x	20K	10x	22K	40x	24K	10x	27K	25x	30K	10x
33K	40x	36K	10x	39K	25x	43K	10x	47K	40x	51K	10x
56K	25x	62K	10x	68K	40x	75K	10x	82K	25x	91K	10x
100K	40x	110K	10x	120K	25x	130K	10x	150K	40x	160K	10x
180K	25x	200K	10x	220K	40x	240K	10x	270K	25x	300K	10x
330K	40x	360K	10x	390K	25x	430K	10x	470K	40x	510K	10x
560K	25x	620K	10x	680K	40x	750K	10x	820K	25x	1M0	40x

CCR-14**(1 Flap FL24/10) 24 Values / 420 Pieces****Type/Brand:** MF0207 / Yageo Europe or alternative**Size:** 0207 (2,5øx6,5mm)**Wattage:** 0,6W at +70°C**Value Range:** 1,0Ω-9,1Ω (E24)**Tolerance:** ±1%**TC:** 50ppm/°C**Values-Quantities Selection:**

1R0	30x	1R1	10x	1R2	20x	1R3	10x	1R5	30x	1R6	10x
1R8	20x	2R0	10x	2R2	30x	2R4	10x	2R7	20x	3R0	10x
3R3	30x	3R6	10x	3R9	20x	4R3	10x	4R7	30x	5R1	10x
5R6	20x	6R2	10x	6R8	30x	7R5	10x	8R2	20x	9R1	10x

CCR-121**(2 Flaps FL24/10) 48 Values / 1.440 Pieces****Type/Brand:** PR01 / Phoenix Passive Components**Size:** 2,5Øx8,5mm**Values:** 10Ohm-1MOhm (E6)**Wattage:** 1W bei +70°C**Tolerance:** ±5%**TK:** 250ppm/°C**Values-Quantities Selection:**

10	30x	15	30x	22	30x	33	30x	47	30x	68	30x
100	30x	150	30x	180	30x	220	30x	270	30x	330	30x
390	30x	470	30x	560	30x	680	30x	820	30x	1K0	30x
1K2	30x	1K5	30x	1K8	30x	2K2	30x	2K7	30x	3K3	30x
3K9	30x	4K7	30x	5K6	30x	6K8	30x	8K2	30x	10K	30x
12K	30x	15K	30x	18K	30x	22K	30x	27K	30x	33K	30x
39K	30x	47K	30x	56K	30x	68K	30x	82K	30x	100K	30x

CCR-122**(2 Flaps FL24/10) 48 Values / 720 Pieces****Type/Brand:** PR02 / Phoenix Passive Components**Size:** 3,9Øx12mm**Values:** 10Ohm-1MOhm (E6)**Wattage:** 2W bei +70°C**Tolerance:** ±5%**TK:** 250ppm/°C**Values-Quantities Selection:**

10	15x	15	15x	22	15x	33	15x	47	15x	68	15x
100	15x	150	15x	180	15x	220	15x	270	15x	330	15x
390	15x	470	15x	560	15x	680	15x	820	15x	1K0	15x
1K2	15x	1K5	15x	1K8	15x	2K2	15x	2K7	15x	3K3	15x
3K9	15x	4K7	15x	5K6	15x	6K8	15x	8K2	15x	10K	15x
12K	15x	15K	15x	18K	15x	22K	15x	27K	15x	33K	15x
39K	15x	47K	15x	56K	15x	68K	15x	82K	15x	100K	15x

Power Resistors

CCR-31

(1 Flap FL16/20) 14 Values / 195 Pieces
Low Ohm Metalband Resistors

Type/Brand: MPC 70-76-702 / FUKUSHIMA FUTABA
Style: Rectangular Ceramic case with radial leads
Values: 0,01Ω-1,0Ω (E6/E12)
Temperature: -55 at + 200°C
Wattage: 2W
Tolerance: ±10%
TK: +/- 350ppm/°C

Values-Quantities-Selection:

0,01Ω	20x	0,15Ω	15x	0,33Ω	15x	0,56Ω	10x	1,00Ω	15x
0,05Ω	20x	0,22Ω	15x	0,39Ω	10x	0,68Ω	15x	2x0,47Ω	10x
0,10Ω	15x	0,27Ω	10x	0,47Ω	15x	0,82Ω	10x		

CCR-32

(1 Flap FL16/20) 15 Values / 195 Pieces
Low Ohm Metalband Resistors

Type/Brand: MPC 71-75-722 / FUKUSHIMA FUTABA
Style: Rectangular Ceramic case with radial leads
Values: 0,01Ω-2,2Ω (E6/E12)
Temperature: -55 at +200°C
Wattage: 5W
Tolerance: ±10%
TK: +/- 350ppm/°C

Values-Quantities-Selection:

0,01Ω	15x	0,15Ω	15x	0,33Ω	15x	0,56Ω	10x	1,00Ω	15x
0,05Ω	15x	0,22Ω	15x	0,39Ω	10x	0,68Ω	15x	2,20Ω	10x
0,10Ω	15x	0,27Ω	10x	0,47Ω	15x	0,82Ω	10x	2x0,47Ω	10x

CCR-33

(1 Flap FL16/20) 16 Values / 240 Pieces
Power Resistors with wire- or metaloxide element

Type/Brand: CWR-COR / FUKUSHIMA FUTABA

Style: Rectangular Ceramic case with radial leads

Values: 1,5Ω-1,0KΩ (E6)

Wattage: 2W

Tolerance: ±5%

TK: 350ppm/°C

Values-Quantities-Selection:

1,5Ω	15x	6,8Ω	15x	33Ω	15x	220Ω	15x
2,2Ω	15x	10Ω	15x	47Ω	15x	330Ω	15x
3,3Ω	15x	15Ω	15x	68Ω	15x	470Ω	15x
4,7Ω	15x	22Ω	15x	100Ω	15x	1,0KΩ	15x

CCR-34

(1 Flap FL16/20) 16 Values / 160 Pieces
Power Resistors with wire- or metaloxide element

Type/Brand: CWR-COR/FUKUSHIMA FUTABA

Style: Rectangular Ceramic case with radial leads

Values : 1,5Ω-1,0KΩ (E6)

Wattage: 5W

Tolerance: ±5%

TK: 350ppm/°C

Values-Quantities-Selection:

1,5Ω	10x	6,8Ω	10x	33Ω	10x	220Ω	10x
2,2Ω	10x	10Ω	10x	47Ω	10x	330Ω	10x
3,3Ω	10x	15Ω	10x	68Ω	10x	470Ω	10x
4,7Ω	10x	22Ω	10x	100Ω	10x	1,0KΩ	10x

Trimmer

CCR-51

(1 Flap FL24/10) 24 Values / 192 Pieces
Cermet Trimmer Resistors

Type/Brand: VG083H / HOKURIKU

Wattage: 0,2W

Values-Quantities-Selection:

Horizontal style : 2,5+2,5mm Pin Space

220W	10x	470W	10x	1,0KW	10x	2,2KW	10x	4,7KW	10x	10KW	10x
22KW	10x	47KW	10x	100KW	10x	220KW	10x	470KW	10x	1,0MW	10x

Vertical style: 5x10mm Pin Space

220W	6x	470W	6x	1,0KW	6x	2,2KW	6x	4,7KW	6x	10KW	6x
22KW	6x	47KW	6x	100KW	6x	220KW	6x	470KW	6x	1,0MW	6x

Chip Trimmer

SMR-21

(1 Flap FL16/10) 16 Values / 160 Pieces
Chip-Cermet Trimmer - linear

Type/Brand: RVG4H - RVG4E / MURATA

Wattage: 0,1W

Tolerance: $\pm 10\%$

Values-Quantities-Selection:

4H/100W	10x	4H/500W	10x	4H/1KW	10x	4H/5KW	10x
4H/10KW	10x	4H/50KW	10x	4H/100KW	10x	4H/1MW	10x
4E/220W	10x	4E/500W	10x	4E/1KW	10x	4E/5 KW	10x
4E/10KW	10x	4E/ 50KW	10x	4E/100KW	10x	4E/1MW	10x

Chip Metalfilm - Resistors 0603 & 0402**SBR-03**

(8 Stck CP-18) 144 Values (45 Pieces each) / 6.480 Pieces
Chip Resistors Thin Film

Type/Brand: MCT0603 / Vishay Beschlag

Wattage: 0,063W

Tolerance: ±1%

TC: 50ppm/°C

1 Value 0R00

143 Values IEC-Series E24 (±1%) from 10R to 10M (Exception: 9M1)

Binder: CCO-40 (Dimensions: 319x260x45)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	10R0	23R7	56R2	133R	316R	750R	1K78	4K22	10K0	23K7	56K2	133K	316K	750K	3M16
2	10R5	24R9	59R0	140R	332R	787R	1K87	4K42	10K5	24K9	59K0	140K	332K	787K	3M48
3	11R0	26R1	61R9	147R	348R	825R	1K96	4K64	11K0	26K1	61K9	147K	348K	825K	3M83
4	11R5	27R4	64R9	154R	365R	866R	2K05	4K87	11K5	27K4	64K9	154K	365K	866K	4M22
5	12R1	28R7	68R1	162R	383R	909R	2K15	5K11	12K1	28K7	68K1	162K	383K	909K	4M64
6	12R7	30R1	71R5	169R	402R	953R	2K26	5K36	12K7	30K1	71K5	169K	402K	953K	5M11
7	13R3	31R6	75R0	178R	422R	1K00	2K37	5K62	13K3	31K6	75K0	178K	422K	1M00	5M62
8	14R0	33R2	78R7	187R	442R	1K05	2K49	5K90	14K0	33K2	78K7	187K	442K	1M10	6M19
9	14R7	34R8	82R5	196R	464R	1K10	2K61	6K19	14K7	34K8	82K5	196K	464K	1M21	6M81
10	15R4	36R5	86R6	205R	487R	1K15	2K74	6K49	15K4	36K5	86K6	205K	487K	1M33	7M50
11	16R2	38R3	90R9	215R	511R	1K21	2K87	6K81	16K2	38K3	90K9	215K	511K	1M47	8M25
12	16R9	40R2	95R3	226R	536R	1K27	3K01	7K15	16K9	40K2	95K3	226K	536K	1M62	9M09
13	17R8	42R2	100R	237R	562R	1K33	3K16	7K50	17K8	42K2	100K	237K	562K	1M78	10M
14	18R7	44R2	105R	249R	590R	1K40	3K32	7K87	18K7	44K2	105K	249K	590K	1M96	
15	19R6	46R4	110R	261R	619R	1K47	3K48	8K25	19K6	46K4	110K	261K	619K	2M15	
16	20R5	48R7	115R	274R	649R	1K54	3K65	8K66	20K5	48K7	115K	274K	649K	2M37	
17	21R5	51R1	121R	287R	681R	1K62	3K83	9K09	21K5	51K1	121K	287K	681K	2M61	
18	22R6	53R6	127R	301R	715R	1K69	4K02	9K53	22K6	53K6	127K	301K	715K	2M87	0R0
	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

SBR-06

(15 Stck CP-18) 266 Values (45 Pieces each) / 11.970 Pieces
Dünnsfilm-Chip-Widerstände

Type/Brand: MCT0603 / Vishay Beyschlag

Wattage: 0,063W

Tolerance: ±1%

TC: 50ppm/°C

Binder: CCO-40 (Dimensions: 319x260x45)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	10R0	23R7	56R2	133R	316R	750R	1K78	4K22	10K0	23K7	56K2	133K	316K	750K	3M16
2	10R5	24R9	59R0	140R	332R	787R	1K87	4K42	10K5	24K9	59K0	140K	332K	787K	3M48
3	11R0	26R1	61R9	147R	348R	825R	1K96	4K64	11K0	26K1	61K9	147K	348K	825K	3M83
4	11R5	27R4	64R9	154R	365R	866R	2K05	4K87	11K5	27K4	64K9	154K	365K	866K	4M22
5	12R1	28R7	68R1	162R	383R	909R	2K15	5K11	12K1	28K7	68K1	162K	383K	909K	4M64
6	12R7	30R1	71R5	169R	402R	953R	2K26	5K36	12K7	30K1	71K5	169K	402K	953K	5M11
7	13R3	31R6	75R0	178R	422R	1K00	2K37	5K62	13K3	31K6	75K0	178K	422K	1M00	5M62
8	14R0	33R2	78R7	187R	442R	1K05	2K49	5K90	14K0	33K2	78K7	187K	442K	1M10	6M19
9	14R7	34R8	82R5	196R	464R	1K10	2K61	6K19	14K7	34K8	82K5	196K	464K	1M21	6M81
10	15R4	36R5	86R6	205R	487R	1K15	2K74	6K49	15K4	36K5	86K6	205K	487K	1M33	7M50
11	15R2	38R3	90R9	215R	511R	1K21	2K87	6K81	16K2	38K3	90K9	215K	511K	1M47	8M25
12	16R9	40R2	95R3	226R	536R	1K27	3K01	7K15	16K9	40K2	95K3	226K	536K	1M62	9M09
13	17R8	42R2	100R	237R	562R	1K33	3K16	7K50	17K8	42K2	100K	237K	562K	1M78	10M
14	18R7	44R2	105R	249R	590R	1K40	3K32	7K87	18K7	44K2	105K	249K	590K	1M96	
15	19R6	46R4	110R	261R	619R	1K47	3K48	8K25	19K6	46K4	119K	261K	619K	2M15	
16	20R5	48R7	115R	274R	649R	1K54	3K65	8K66	20K5	48K7	115K	274K	649K	2M37	
17	21R5	51R1	121R	287R	681R	1K62	3K83	9K09	21K5	51K1	212K	287K	681K	2M61	
18	22R6	53R6	127R	301R	715R	1K69	4K02	9K53	22K6	53K6	127K	301K	715K	2M87	0R0
	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

SBR-09

(15 Stck CP-18) 265 Values (45 Pieces each) / 11.925 Pieces
Chip Resistors Thin Film

Type/Brand: MCT 0603 / Vishay Beyschlag

Wattage: 0,063W

Tolerance: ±1%

TC: 50ppm/°C

Binder: CCO-40 (Dimensions: 319x260x45)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	10R2	24R3	57R6	137R	324R	768R	1K82	4K32	10K2	24K3	57K6	137K	324K	768K	3M32
2	10R7	25R5	60R4	143R	340R	806R	1K91	4K53	10K7	25K5	60K4	143K	340K	806K	3M65
3	11R3	26R7	63R4	150R	357R	845R	2K00	4K75	11K3	26K7	63K4	150K	357K	845K	4M02
4	11R8	28R0	66R5	158R	374R	887R	2K10	4K99	11K8	28K0	66K5	158K	374K	887K	4M42
5	12R4	29R4	69R8	165R	392R	931R	2K21	5K23	12K4	29K4	69K8	165K	392K	931K	4M87
6	13R0	30R9	73R2	174R	412R	976R	2K32	5K49	13K0	30K9	73K2	174K	412K	976K	5M36
7	13R7	32R4	76R8	182R	432R	1K02	2K43	5K76	13K7	32K4	76K8	182K	432K	1M05	5M90
8	14R3	34R0	80R6	191R	453R	1K07	2K56	6K04	14K3	34K0	80K6	191K	453K	1M15	6M49
9	15R0	35R7	84R5	200R	475R	1K13	2K67	6K34	15K0	35K7	84K5	200K	475K	1M27	7M15
10	15R8	37R4	88R7	210R	499R	1K18	2K80	6K65	15K8	37K4	88K7	210K	499K	1M40	7M87
11	16R5	39R2	93R1	221R	523R	1K24	2K94	6K98	16K5	39K2	93K1	221K	523K	1M54	8M66
12	17R4	41R2	97R6	232R	549R	1K30	3K09	7K32	17K4	41K2	97K6	232K	549K	1M96	9M53
13	18R2	43R2	102R	243R	576R	1K37	3K24	7K68	18K2	43K2	102K	243K	576K	1M87	
14	19R1	45R3	107R	255R	604R	1K43	3K40	8K06	19K1	45K3	107K	255K	604K	2M05	
15	20R0	47R5	113R	267R	634R	1K50	3K57	8K45	20K0	47K5	113K	267K	634K	2M26	
16	21R0	49R9	118R	280R	665R	1K58	3K74	8K87	21K0	49K9	118K	260K	665K	2M49	
17	22R1	52R3	124R	294R	698R	1K65	3K92	9K31	22K1	52K3	124K	294K	698K	2M74	
18	23R2	54R9	130R	309R	732R	1K74	4K12	9K76	23K2	54K9	130K	309K	732K	3M01	0R0
	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

SMR-06**Thickfilm-Chipresistors****Type/Brand:** 512-0 / Vitrohm**Tolerance:** ±1%**TC:** 100ppm/°C**Value Range:** 10Ω - 6,8KΩ (E12) 10KΩ - 1MΩ (E6)**Size:** 0402 (1,0x0,5x0,25mm)**Values-Quantities-Selection:**

10R	195x	12R	105x	15R	195x	18R	105x	22R	195x	27R	105x
33R	195x	39R	105x	47R	195x	56R	105x	68R	195x	82R	105x
100R	195x	120R	105x	150R	195x	180R	105x	220R	195x	270R	105x
330R	195x	390R	105x	470R	195x	560R	105x	680R	195x	820R	105x
1K	195x	1K2	105x	1K5	195x	1K8	105x	2K2	195x	2K7	105x
3K3	195x	3K9	105x	4K7	195x	5K6	105x	6K8	195x	10K	195x
15K	195x	22K	195x	33K	195x	47K	195x	68K	195x	100K	195x
150K	195x	220K	195x	330K	195x	470K	195x	680K	195x	1M0	195x

Chip Metalfilm Resistors 0805 + 1206**SBR-12**

(5 Flap FL24/10) 120 Values / 18.100 Pieces
Chip Resistors Thick Film

Type/Brand: RC0805 / Yageo Europe or alternative

Wattage: 0,125W

Tolerance: ±1%

TC: 100ppm/°C

Values: 10Ω - 1,0MΩ (E24)

Binder: CCO-50 (Dimensions: 316x260x55)

Values-Quantities Selection:

10R 195x	11R 105x	12R 195x	13R 105x	15R 195x	16R 105x
18R 195x	20R 105x	22R 195x	24R 105x	27R 195x	30R 105x
33R 195x	36R 105x	39R 195x	43R 105x	47R 195x	51R 105x
56R 195x	62R 105x	68R 195x	75R 105x	82R 195x	91R 105x
100R 195x	110R 105x	120R 195x	130R 105x	150R 195x	160R 105x
180R 195x	200R 105x	220R 195x	240R 105x	270R 195x	300R 105x
330R 195x	360R 105x	390R 195x	430R 105x	470R 195x	510R 105x
560R 195x	620R 105x	680R 195x	750R 105x	820R 195x	910R 105x
1K0 195x	1K1 105x	1K2 195x	1K3 105x	1K5 195x	1K6 105x
1K8 195x	2K0 105x	2K2 195x	2K4 105x	2K7 195x	3K0 105x
3K3 195x	3K6 105x	3K9 195x	4K3 105x	4K7 195x	5K1 105x
5K6 195x	6K2 105x	6K8 195x	7K5 105x	8K2 195x	9K1 105x
10K 195x	11K 105x	12K 195x	13K 105x	15K 195x	16K 105x
18K 195x	20K 105x	22K 195x	24K 105x	27K 195x	30K 105x
33K 195x	36K 105x	39K 195x	43K 105x	47K 195x	51K 105x
56K 195x	62K 105x	68K 195x	75K 105x	82K 195x	91K 105x
100K 195x	110K 105x	120K 195x	130K 105x	150K 195x	160K 105x
180K 195x	200K 105x	220K 195x	240K 105x	270K 195x	300K 105x
330K 195x	360K 105x	390K 195x	430K 105x	470K 195x	510K 105x
560K 195x	620K 105x	680K 195x	750K 105x	820K 195x	1M0 195x

SBR-13

(11 Flap FL24/10) 264 Values / 15.840 Pieces
Chip Resistor

Type/Brand: RC0805 / Yageo Europe or alternative

Wattage: 0,125W

Tolerance: ±1%

TC: 100ppm/°C

Values: 10Ω - 10MΩ (E48) (except 9M09)

Quantity: 60 Pieces/Value

Size: 0805

Binder: 2 x CCO-70 (Dimension 318x260x70)

SBR-14

(11 Flap FL24/10) 264 Values / 15.840 Pieces
Chip Resistor

Type/Brand: RC0805 / Yageo Europe or alternative

Wattage: 0,125W

Tolerance: ±1%

TC: 100ppm/°C

Values: 10Ω - 10MΩ (E48) (except 7M87)

Quantity: 60 Pieces/Value

Size: 0805

Binder: 2 x CCO-70 (Dimension 318x260x70)

This assortment fulfills the E-96 Series in addition to SBR-13

SMR-01

(3 Flap FL24/10) 72 Values / 11.850 Pieces
Chip Resistor

Type/Brand: RC1206 / Yageo Europe or alternative

Wattage: 0,25W at +70°C

Tolerance: ±1%

TC: 100ppm/°C

Values: 1,0Ω -6,8MΩ (E12)

Size: 1206 (3,2x1,5x0,6mm)

Binder: CCO-40 (Dimensions: 319x260x45)

Values-Quantities Selection:

1R0	120x	1R5	120x	2R2	120x	3R3	120x	4R7	120x	6R8	120x
10	150x	12	105x	15	150x	18	105x	22	150x	27	105x
33	150x	39	105x	47	150x	56	105x	68	150x	82	105x
100	210x	120	150x	150	210x	180	150x	220	210x	270	150x
330	210x	390	150x	470	210x	560	150x	680	210x	820	150x
1K0	210x	1K2	150x	1K5	210x	1K8	150x	2K2	210x	2K7	150x
3K3	210x	3K9	150x	4K7	210x	5K6	150x	6K8	210x	8K2	150x
10K	210x	12K	150x	15K	210x	18K	150x	22K	210x	27K	150x
33K	210x	39K	150x	47K	210x	56K	150x	68K	210x	82K	150x
100K	210x	120K	150x	150K	210x	180K	150x	220K	210x	270K	150x
330K	210x	390K	150x	470K	210x	560K	150x	680K	210x	820K	150x
1M0	210x	1M5	150x	2M2	150x	3M3	150x	4M7	150x	6M8	150x

SMR-0148

(11 Flap FL24/10) 264 Values / 15.840 Pieces
Chip Resistor

Type/Brand: RC1206 / Yageo Europe or alternative

Wattage: 0,25W

Tolerance: ±1%

TC: 100ppm/°C

Values: 10Ω -10MΩ (E48) (except 9M09)

Quantity: 60 Pieces/Value

Size: 1206

Binder: 2 x CCO-70 (Dimension 318x260x70)

SMR-0196

(11 Flap FL24/10) 264 Valueese / 15.840 Pieces
Chip Resistor

Type/Brand: RC1206 / Yageo Europe or alternative

Wattage: 0,25W

Tolerance: ±1%

TC: 100ppm/°C

Values: 10Ω -10MΩ (Supplement to E-96) (except 7M87)

Quantity: 60 Pieces/Value

Size: 1206

Binder: 2 x CCO-70 (Dimension 318x260x70)

This assortment fulfills the E-96 Series in addition to SMR-0148

SMR-03

(6 Flap FL24/10) 144 Values / 16.260 Pieces
Chip Resistor

Type/Brand: RC1206 / Yageo Europe or alternative

Wattage: 0,25W at +70°C

Tolerance: ±1%

TC: 100ppm/°C

Values: 1,0MΩ - 10MΩ (E24)

Size: 1206 (3,2x1,5x0,6mm)

Binder: 2x CCO-40 (Dimensions: 319x260x45)

Values-Quantities-Selection:

1R0	105x	1R1	60x	1R2	60x	1R3	60x	1R5	105x	1R6	60x
1R8	60x	2R	105x	2R2	60x	2R4	60x	2R7	60x	3R0	60x
3R3	105x	3R6	60x	3R9	60x	4R3	60x	4R7	105x	5R1	60x
5R6	60x	6R2	60x	6R8	105x	7R5	60x	8R2	60x	9R1	60x
10	150x	11	60x	12	105x	13	60x	15	150x	16	60x
18	105x	20	60x	22	150x	24	60x	27	105x	30	60x
33	150x	36	60x	39	105x	43	60x	47	150x	51	60x
56	105x	62	60x	68	150x	75	60x	82	105x	91	60x
100	210x	110	60x	120	105x	130	60x	150	210x	160	60x
180	105x	200	60x	220	210x	240	60x	270	105x	300	60x
330	210x	360	60x	390	105x	430	60x	470	210x	510	60x
560	105x	620	60x	680	210x	750	60x	820	105x	910	60x
1K0	210x	1K1	60x	1K2	105x	1K3	60x	1K5	210x	1K6	60x
1K8	105x	2K0	60x	2K2	210x	2K4	60x	2K7	105x	3K0	60x
3K3	210x	3K6	60x	3K9	105x	4K3	60x	4K7	210x	5K1	60x
5K6	105x	6K2	60x	6K8	210x	7K5	60x	8K2	105x	9K1	60x
10K	210x	11K	60x	12K	105x	13K	60x	15K	210x	16K	60x
18K	105x	20K	60x	22K	210x	24K	60x	27K	105x	30K	60x
33K	210x	36K	60x	39K	105x	43K	60x	47K	210x	51K	60x
56K	105x	62K	60x	68K	210x	75K	60x	82K	105x	91K	60x
100K	210x	110K	60x	120K	105x	130K	60x	150K	210x	160K	60x
180K	105x	200K	60x	220K	210x	240K	60x	270K	105x	300K	60x
330K	210x	360K	60x	390K	105x	430K	60x	470K	210x	510K	60x
560K	105x	620K	60x	680K	210x	750K	60x	820K	105x	910K	60x
1M0	210x	1M1	60x	1M2	60x	1M3	60x	1M5	105x	1M6	60x
1M8	60x	2M0	60x	2M2	105x	2M4	60x	2M7	60x	3M0	60x
3M3	105x	3M6	60x	3M9	60x	4M3	60x	4M7	105x	5M1	60x
5M6	60x	6M2	60x	6M8	105x	7M5	60x	8M2	60x	10M	105x

Chip Metalfilm Resistors Mini-Melf

SBR-02

(10 Stck CP-18) 177 Values (45 Pieces each) / 7.965 Pieces
Chip Resistors Mini-Melf

Type/Brand: MMA 0204 / Vishay Beyschlag

Wattage: 0,25W

Tolerance: $\pm 5\%$ / $\pm 1\%$

TC: 50ppm/°C

1 Value 0R00
8 Values IEC-Series E12 ($\pm 5\%$) from 0R22 to 0R82
12 Values IEC-Series E12 ($\pm 1\%$) from 1R0 to 8R2
138 Values IEC-Series E24 ($\pm 1\%$) from 10R to 10M
18 Values IEC-Series E 6 ($\pm 1\%$) from 4R7 to 470R (MMA 0204 HF)

Binder: CCO-40 (Dimensions: 319x260x45)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10
1		3R3	33R	180R	1K0	5K6	33K	180K	1M0	4R7
2	0R0	3R9	36R	200R	1K1	6K2	36K	200K	1M1	6R8
3		4R7	39R	220R	1K2	6K8	39K	220K	1M2	10R
4		5R6	43R	240R	1K3	7K5	43K	240K	1M3	15R
5	0R22	6R8	47R	270R	1K5	8K2	47K	270K	1M5	22R
6	0R27	8R2	51R	300R	1K6	9K1	51K	300K	1M6	33R
7	0R33	10R	56R	330R	1K8	10K	56K	330K	1M8	47R
8	0R39	11R	62R	360R	2K0	11K	62K	360K	2M0	50R
9	0R47	12R	68R	390R	2K2	12K	68K	390K	2M2	60R
10	0R56	13R	75R	430R	2K4	13K	75K	430K	2M4	68R
11	0R68	15R	82R	470R	2K7	15K	82K	470K	2M7	75R
12	0R82	16R	91R	510R	3K0	16K	91K	510K	3M3	100R
13	1R0	18R	100R	560R	3K3	18K	100K	560K	3M9	120R
14	1R2	20R	110R	620R	3K6	20K	110K	620K	4M7	150R
15	1R5	22R	120R	680R	3K9	22K	120K	680K	5M6	220R
16	1R8	24R	130R	750R	4K3	24K	130K	750K	6M8	240R
17	2R2	27R	150R	820R	4K7	27K	150K	820K	8M2	330R
18	2R7	30R	160R	910R	5K1	30K	160K	910K	10M	470R
	1% / 5%	1%	1%	1%	1%	1%	1%	1%	1%	HF

SBR-05

(17 Stck CP-18) 298 Values (45 Pieces each) / 13.410 Pieces
Chip Resistors Mini-Melf

Type/Brand: MMA 0204 / Vishay Beyschlag

Wattage: 0,2W

Tolerance: ±5% / ±2% / ±1%

TC: 50ppm/°C

Binder: CCO-50 (Dimensions: 316x260x55)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	0R0	1R78	10R0	23R7	56R2	133R	316R	750R	1K78	4K22	10K0	23K7	56K2	133K	316K	750K	3M16
2	---	1R96	10R5	24R9	59R0	140R	332R	787R	1K87	4K42	10K5	24K9	59K0	140K	332K	787K	3M48
3	---	2R15	11R0	26R1	61R9	147R	348R	825R	1K96	4K64	11K0	26K1	61K9	147K	348K	825K	3M83
4	---	2R37	11R5	27R4	64R9	154R	365R	866R	2K05	4K87	11K5	27K4	64K9	154K	365K	866K	4M22
5	0R22	2R61	12R1	28R7	68R1	162R	383R	909R	2K15	5K11	12K1	28K7	68K1	162K	383K	909K	4M64
6	0R27	2R87	12R7	30R1	71R5	169R	402R	953R	2K26	5K36	12K7	30K1	71K5	169K	402K	953K	5M11
7	0R33	3R16	13R3	31R6	75R0	178R	422R	1K00	2K37	5K62	13K3	31K6	75K0	178K	422K	1M00	5M62
8	0R39	3R48	14R0	33R2	78R7	187R	442R	1K05	2K49	5K90	14K0	33K2	78K7	187K	442K	1M10	6M19
9	0R47	3R83	14R7	34R8	82R5	196R	464R	1K10	2K61	6K19	14K7	34K8	82K5	196K	464K	1M21	6M81
10	0R56	4R22	15R4	36R5	86R6	205R	487R	1K15	2K74	6K49	15K4	36K5	86K6	205K	487K	1M33	7M50
11	0R68	4R64	16R2	38R3	90R9	215R	511R	1K21	2K87	6K81	16K2	38K3	90K9	215K	511K	1M47	8M25
12	0R82	5R11	16R9	40R2	95R3	226R	536R	1K27	3K01	7K15	16K9	40K2	95K3	226K	536K	1M62	9M09
13	1R00	5R62	17R8	42R2	100R	237R	562R	1K33	3K16	7K50	17K8	42K2	100K	237K	562K	1M78	10M0
14	1R10	6R19	18R7	44R2	105R	249R	590R	1K40	3K32	7K87	18K7	44K2	105K	249K	590K	1M96	
15	1R21	6R81	19R6	46R4	110R	261R	619R	1K47	3K48	8K25	19K6	46K4	110K	261K	619K	2M15	
16	1R33	7R50	20R5	48R7	115R	274R	649R	1K54	3K65	8K66	20K5	48K7	115K	274K	649K	2M37	
17	1R47	8R25	21R5	51R1	121R	287R	681R	1K62	3K83	9K09	21K5	51K1	121K	287K	681K	2M61	
18	1R62	9R09	22R6	53R6	127R	301R	715R	1K69	4K02	9K53	22K6	53K6	127K	301K	715K	2M87	
	5%/2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

SBR-08

(17 Stck CP-18) 297 Values (45 Pieces each) / 13.365 Pieces
Chip Resistors Mini-Melf

Type/Brand: MMA 0204 / Vishay Beyschlag

Wattage: 0,2W

Tolerance: $\pm 5\%$ / $\pm 2\%$ / $\pm 1\%$

TC: 50ppm/°C

Binder: CCO-50 (Dimensions: 316x260x55)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	0R0	1R87	10R2	24R3	57R6	137R	324R	768R	1K82	4K32	10K2	24K3	57K6	137K	324K	768K	3M32
2		2R05	10R7	25R5	60R4	143R	340R	806R	1K91	4K53	10K7	25K5	60K4	143K	340K	806K	3M65
3		2R26	11R3	26R7	63R4	150R	357R	845R	2K00	4K75	11K3	26K7	63K4	150K	357K	845K	4M02
4		2R49	11R8	28R0	66R5	158R	374R	887R	2K10	4K99	11K8	28K0	66K5	158K	374K	887K	4M42
5	0R24	2R74	12R4	29R4	69R8	165R	392R	931R	2K21	5K23	12K4	29K4	69K8	165K	392K	931K	4M87
6	0R30	3R01	13R0	30R9	73R2	174R	412R	976R	2K32	5K49	13K0	30K9	73K2	174K	412K	976K	5M36
7	0R36	3R32	13R7	32R4	76R8	182R	432R	1K02	2K43	5K76	13K7	32K4	76K8	182K	432K	1M05	5M90
8	0R43	3R65	14R3	34R0	80R6	191R	453R	1K07	2K55	6K04	14K3	34K0	80K6	191K	453K	1M15	6M49
9	0R51	4R02	15R0	35R7	84R5	200R	475R	1K13	2K67	6K34	15K0	35K7	84K5	200K	475K	1M27	7M15
10	0R62	4R42	15R8	37R4	88R7	210R	499R	1K18	2K80	6K65	15K8	37K4	88K7	210K	499K	1M40	7M87
11	0R75	4R87	16R5	39R2	93R1	221R	523R	1K24	2K94	6K98	16K5	39K2	93K1	221K	523K	1M54	8M66
12	0R91	5R36	17R4	41R2	97R6	232R	549R	1K30	3K09	7K32	17K4	41K2	97K6	232K	549K	1M69	9M53
13	1R05	5R90	18R2	43R2	102R	243R	576R	1K37	3K24	7K68	18K2	43K2	102K	243K	576K	1M87	
14	1R15	6R49	19R1	45R3	107R	255R	604R	1K43	3K40	8K06	19K1	45K3	107K	255K	604K	2M05	
15	1R27	7R15	20R0	47R5	113R	267R	634R	1K50	3K57	8K45	20K0	47K5	113K	267K	634K	2M26	
16	1R40	7R67	21R0	49R9	118R	280R	665R	1K58	3K74	8K87	21K0	49K9	118K	280K	665K	2M49	
17	1R54	8R66	22R1	52R3	124R	294R	698R	1K65	3K92	9K31	22K1	52K3	124K	294K	698K	2M74	
18	1R69	9R53	23R2	54R9	130R	309R	732R	1K74	4K12	9K76	23K2	54 Ü€	130K	309K	732K	3M01	
	5%/2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

Chip Metalfilm Resistors Micro-Melf

SBR-01

(10 Stck CP-18) 167 Values (45 Pieces each) / 7.515 Pieces
Chip Resistors Micro-Melf

Type/Brand: MMU 0102 / Vishay Beyschlag

Wattage: 0,2 W 0,2 W

Tolerance: $\pm 5\%$ / $\pm 2\%$ / $\pm 1\%$

TC: 50ppm/°C

1 Value 0R00
8 Values IEC-Series E12 ($\pm 5\%$) from 0R22 to 0R82
12 Values IEC-Series E12 ($\pm 2\%$) from 1R0 to 8R2
129 Values IEC-Series E24 ($\pm 1\%$) from 10R to 2M2
17 Values IEC-Series E 6 ($\pm 2\%$) from 6R8 to 470R (MMU 0102 HF)

Binder: CCO-40 (Dimensions: 319x260x45)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10
1		3R3	33R	180R	1K0	5K6	33K	180K	1M0	
2	0R0	3R9	36R	200R	1K1	6K2	36K	200K	1M1	6R8
3		4R7	39R	220R	1K2	6K8	39K	220K	1M2	10R
4		5R6	43R	240R	1K3	7K5	43K	240K	1M3	15R
5	0R22	6R8	47R	270R	1K5	8K2	47K	270K	1M5	22R
6	0R27	8R2	51R	300R	1K6	9K1	51K	300K	1M6	33R
7	0R33	10R	56R	330R	1K8	10K	56K	330K	1M8	47R
8	0R39	11R	62R	360R	2K0	11K	62K	360K	2M0	50R
9	0R47	12R	68R	390R	2K2	12K	68K	390K	2M2	60R
10	0R56	13R	75R	430R	2K4	13K	75K	430K		68R
11	0R68	15R	82R	470R	2K7	15K	82K	470K		75R
12	0R82	16R	91R	510R	3K0	16K	91K	510K		100R
13	1R0	18R	100R	560R	3K3	18K	100K	560K		120R
14	1R2	20R	110R	620R	3K6	20K	110K	620K		150R
15	1R5	22R	120R	680R	3K9	22K	120K	680K		220R
16	1R8	24R	130R	750R	4K3	24K	130K	750K		240R
17	2R2	27R	150R	820R	4K7	27K	150K	820K		330R
18	2R7	30R	160R	910R	5K1	30K	160K	910K		470R
	2% / 5%	2% / 1%	1%	1%	1%	1%	1%	1%	1%	HF

SBR-04

(15 Stck CP-18) 266 Values (45 Pieces each) / 11.970 Pieces
Chip Resistors Micro-Melf

Type/Brand: MMU 0102 / Vishay Beyschlag

Wattage: 0,2W

Tolerance: ±5% / ±2% / ±1%

TC: 50ppm/°C

Binder: CCO-50 (Dimensions: 316x260x55)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0R0	10R0	23R7	56R2	133R	316R	750R	1K78	4K22	10K0	23K7	56K2	133K	316K	750K
2		10R5	24R9	59R0	140R	332R	787R	1K87	4K42	10K5	24K9	59K0	140K	332K	787K
3	0R22	11R0	26R1	61R9	147R	348R	825R	1K96	4K64	11K0	26K1	61K9	147K	348K	825K
4	0R33	11R5	27R4	64R9	154R	365R	866R	2K05	4K87	11K5	27K4	64K9	154K	365K	866K
5	0R47	12R1	28R7	68R1	162R	383R	909R	2K15	5K11	12K1	28K7	68K1	162K	383K	909K
6	0R68	12R7	30R1	71R5	169R	402R	953R	2K26	5K36	12K7	30K1	71K5	169K	402K	953K
7	1R0	13R3	31R6	75R0	178R	422R	1K00	2K37	5K62	13K3	31K6	75K0	178K	422K	1M00
8	1R2	14R0	33R2	78R7	187R	442R	1K05	2K49	5K90	14K0	33K2	78K7	187K	442K	1M10
9	1R5	14R7	34R8	82R5	196R	464R	1K10	2K61	6K19	14K7	34K8	82K5	196K	464K	1M21
10	1R8	15R4	36R5	86R6	205R	487R	1K15	2K74	6K49	15K4	36K5	86K6	205K	487K	1M33
11	2R2	16R2	38R3	90R9	215R	511R	1K21	2K87	6K81	16K2	38K3	90K9	215K	511K	1M47
12	2R7	16R9	40R2	95R3	226R	536R	1K27	3K01	7K15	16K9	40K2	95K3	226K	536K	1M62
13	3R3	17R8	42R2	100R	237R	562R	1K33	3K16	7K50	17K8	42K2	100K	237K	562K	1M78
14	3R9	18R7	44R2	105R	249R	590R	1K40	3K32	7K87	18K7	44K2	105K	249K	590K	1M96
15	4R7	19R6	46R4	110R	261R	619R	1K47	3K48	8K25	19K6	46K4	110K	261K	619K	2M15
16	5R6	20R5	48R7	115R	274R	649R	1K54	3K65	8K66	20K5	48K7	115K	274K	649K	
17	6R8	21R5	51R1	121R	287R	681R	1K62	3K83	9K09	21K5	51K1	121K	287K	681K	
18	8R2	22R6	53R6	127R	301R	715R	1K69	4K02	9K53	22K6	53K6	127K	301K	715K	
	5%/2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	

SBR-07

(15 Stck CP-18) 266 Values (45 Pieces each) / 11.970 Pieces
Chip Resistors Micro-Melf

Type/Brand: MMU 0102 / Vishay Beyschlag

Wattage: 0,2W

Tolerance: ±5% / ±2% / ±1%

TC: 50ppm/°C

Binder: CCO-50 (Dimensions: 316x260x55)

Chip Package No.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0R0	10R2	24R3	57R6	137R	324R	768R	1K82	4K32	10K2	24K3	57K6	137K	324K	768K
2		10R7	25R5	60R4	143R	340R	806R	1K91	4K53	10K7	25K5	60K4	143K	340K	806K
3	0R27	11R3	26R7	63R4	150R	357R	845R	2K00	4K75	11K3	26K7	63K4	150K	357K	845K
4	0R39	11R8	28R0	66R5	158R	374R	887R	2K10	4K99	11K8	28K0	66K5	158K	374K	887K
5	0R56	12R4	29R4	69R8	165R	392R	931R	2K21	5K23	12K4	29K4	69K8	165K	392K	931K
6	0R82	13R0	30R9	73R2	174R	412R	976R	2K32	5K49	13K0	30K9	73K2	174K	412K	976K
7	1R1	13R7	32R4	76R8	182R	432R	1K02	2K43	5K76	13K7	32K4	76K8	182K	432K	1M05
8	1R3	14R3	34R0	80R6	191R	453R	1K07	2K56	6K04	14K3	34K0	80K6	191K	453K	1M15
9	1R6	15R0	35R7	84R5	200R	475R	1K13	2K67	6K34	15K0	35K7	84K5	200K	475K	1M27
10	2R0	15R8	37R4	88R7	210R	499R	1K18	2K80	6K65	15K8	37K4	88K7	210K	499K	1M40
11	2R4	16R5	39R2	93R1	221R	523R	1K24	2K94	6K98	16K5	39K2	93K1	221K	523K	1M54
12	3R0	17R4	41R2	97R6	232R	549R	1K30	3K09	7K32	17K4	41K2	97K6	232K	549K	1M96
13	3R6	18R2	43R2	102R	243R	576R	1K37	3K24	7K68	18K2	43K2	102K	243K	576K	1M87
14	4R3	19R1	45R3	107R	255R	604R	1K43	3K40	8K06	19K1	45K3	107K	255K	604K	2M05
15	5R1	20R0	47R5	113R	267R	634R	1K50	3K57	8K45	20K0	47K5	113K	267K	634K	2M21
16	6R2	21R0	49R9	118R	280R	665R	1K58	3K74	8K87	21K0	49K9	118K	260K	665K	
17	7R5	22R1	52R3	124R	294R	698R	1K65	3K92	9K31	22K1	52K3	124K	294K	698K	
18	9R1	23R2	54R9	130R	309R	732R	1K74	4K12	9K76	23K2	54K9	130K	309K	732K	
	5%/2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%