

## 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

REV: 10.05.2007

**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:** 0,25W

**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%

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**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:** 0,25W

**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	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%

REV: 10.05.2007