

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 |

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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 |

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CBR-14**(6 Flap FL24/10) 144 Values / 3.080 Pieces****Type/Brand:** MBB 0207-50 (2,5 ϕ x 6,3mm) / Vishay Beyschlag**Wattage:** 0,6W at +70°C**Value Range:** 1,0 Ω -10M Ω (E12/E24)**Tolerance:** $\pm 1\%$ **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 | 20x | 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 |
| 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 | 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 | 910K | 10x |
| 1M0 | 40x | 1M2 | 20x | 1M5 | 30x | 1M8 | 20x | 2M2 | 30x | 2M7 | 20x |
| 3M3 | 30x | 3M9 | 20x | 4M7 | 30x | 5M6 | 20x | 6M8 | 30x | 10M | 30x |

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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)**

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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 |

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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 |

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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 |

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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 |

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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 (bzw.PR02) / Pilkor**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 |

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CCR-122**(2 Flaps FL24/10) 48 Values / 480 Pieces****Type/Brand:** PR01 (bzw.PR02) / Pilkor**Size:** 3,9Øx12mm**Values:** 10Ohm-1MOhm (E6)**Wattage:** 2W bei +70°C**Tolerance:** ±5%**TK:** 250ppm/°C**Values-Quantities Selection:**

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

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