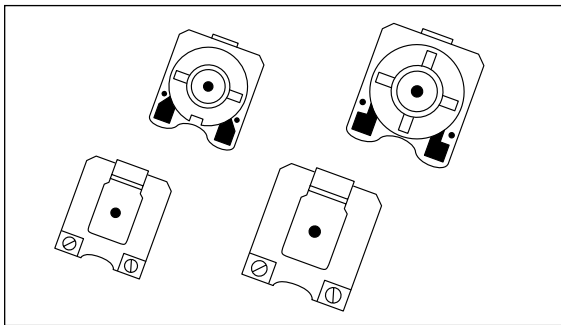


# Thick Film Chip Trimmer Potentiometers



## CVR-32 / CVR-42 / CVR-43 Series



### HOW TO ORDER

**CVR 4 3 C - 223 S W 1** □  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① **Chip Trimmer Potentiometer**
- ② **Size:** 4 = 4mm, 3 = 3mm
- ③ **Terminal Number:**  
 2 = 2 terminals  
 3 = 3 terminals (except for CVR-3)
- ④ **Circuit Type:**  
 A = Voltage adjustment  
 C = Current adjustment (except for CVR-3)
- ⑤ **Nominal Resistance Value:**  
 3 digits (2 significant digits and 1 number of zeros)
- ⑥ **Adjustment Method:**  
 S = Standard  
 G = Automatic  
 R = Bottom (CVR-43 only)
- ⑦ **Packaging:**  
 B = Bulk  
 W = Taping (W direction)  
 X = Taping (X direction) option
- ⑧ **Standard Quantity per Package:**  
 CVR42, 43: 1 = 1,000 pcs, 5 = 5,000 pcs  
 CVR32: 2 = 2,000 pcs, 5 = 5,000 pcs, 0 = 10,000 pcs
- ⑨ **Others**

### Standard Values

| Style       | Full Resistance Value<br>(Ω, kΩ, MΩ) | Code |     |
|-------------|--------------------------------------|------|-----|
|             |                                      | (a)  | (b) |
| CVR-□□□-101 | 100Ω                                 | 1    | 1   |
| CVR-□□□-151 | 150Ω                                 | A    | 1   |
| CVR-□□□-201 | 200Ω                                 | 2    | 1   |
| CVR-□□□-221 | 220Ω                                 |      | 1   |
| CVR-□□□-301 | 300Ω                                 | 3    | 1   |
| CVR-□□□-331 | 330Ω                                 |      | 1   |
| CVR-□□□-471 | 470Ω                                 | 4    | 1   |
| CVR-□□□-501 | 500Ω                                 | 5    | 1   |
| CVR-□□□-681 | 680Ω                                 | 6    | 1   |
| CVR-□□□-102 | 1.0kΩ                                | 1    | 2   |
| CVR-□□□-152 | 1.5kΩ                                | A    | 2   |
| CVR-□□□-202 | 2.0kΩ                                | 2    | 2   |
| CVR-□□□-222 | 2.2kΩ                                |      | 2   |
| CVR-□□□-302 | 3.0kΩ                                | 3    | 2   |
| CVR-□□□-332 | 3.3kΩ                                |      | 2   |
| CVR-□□□-472 | 4.7kΩ                                | 4    | 2   |
| CVR-□□□-502 | 5.0kΩ                                | 5    | 2   |
| CVR-□□□-682 | 6.8kΩ                                | 6    | 2   |
| CVR-□□□-103 | 10kΩ                                 | 1    | 3   |
| CVR-□□□-153 | 15kΩ                                 | A    | 3   |
| CVR-□□□-203 | 20kΩ                                 | 2    | 3   |
| CVR-□□□-223 | 22kΩ                                 |      | 3   |
| CVR-□□□-303 | 30kΩ                                 | 3    | 3   |
| CVR-□□□-333 | 33kΩ                                 |      | 3   |
| CVR-□□□-473 | 47kΩ                                 | 4    | 3   |
| CVR-□□□-503 | 50kΩ                                 | 5    | 3   |
| CVR-□□□-683 | 68kΩ                                 | 6    | 3   |
| CVR-□□□-104 | 100kΩ                                | 1    | 4   |
| CVR-□□□-154 | 150kΩ                                | A    | 4   |
| CVR-□□□-204 | 200kΩ                                | 2    | 4   |
| CVR-□□□-224 | 220kΩ                                |      | 4   |
| CVR-□□□-304 | 300kΩ                                | 3    | 4   |
| CVR-□□□-334 | 330kΩ                                |      | 4   |
| CVR-□□□-474 | 470kΩ                                | 4    | 4   |
| CVR-□□□-504 | 500kΩ                                | 5    | 4   |
| CVR-□□□-684 | 680kΩ                                | 6    | 4   |
| CVR-□□□-105 | 1.0MΩ                                | 1    | 5   |
| CVR-□□□-155 | 1.5MΩ                                | A    | 5   |
| CVR-□□□-205 | 2.0MΩ                                | 2    | 5   |
| CVR-□□□-225 | 2.2MΩ                                |      | 5   |

### Rating

| Specifications              | Rating              |                     |
|-----------------------------|---------------------|---------------------|
|                             | CVR-4 Series        | CVR-3 Series        |
| Rated Power                 | 0.2W (70°C)         | 0.1W (70°C)         |
| Rated Voltage               | 100V                | 50V                 |
| Resistance Value            | 100Ω-2.2MΩ          | 100Ω-2.2MΩ          |
| Resistance Tolerance        | ±30%                | ±30%                |
| Resistance Change Linearity | Straight line "B"   | Straight line "B"   |
| Rotation Life               | (20 rotations) ±15% | (20 rotations) ±15% |
| Torque                      | 20-200g•cm          | 20-200g•cm          |
| Rotation Angle              | 270°±20°            | 270°±20°            |
| Operating Temp              | -40°C~+100°C        | -40°C~+100°C        |
| T.C.R.                      | ±250 ppm/°C         | ±250 ppm/°C         |

### Code

| (a) | (2)    | (b) | Code (a)                            |                             | Code (b) |       |
|-----|--------|-----|-------------------------------------|-----------------------------|----------|-------|
|     |        |     | (The first two significant figures) | (10 logarithmic multiplier) | Sign     | Value |
| 1   | 10     | 1   | 1                                   | 10 <sup>1</sup>             |          |       |
| A   | 15     | 2   | 2                                   | 10 <sup>2</sup>             |          |       |
| 2   | 20, 22 | 3   | 3                                   | 10 <sup>3</sup>             |          |       |
| 3   | 30, 33 | 4   | 4                                   | 10 <sup>4</sup>             |          |       |
| 4   | 47     | 5   | 5                                   | 10 <sup>5</sup>             |          |       |
| 5   | 50     |     |                                     |                             |          |       |
| 6   | 68     |     |                                     |                             |          |       |

Example (a) 4 (b) 3 ⇒ 47 x 10<sup>3</sup> = 47 kΩ

Additional information on this product is available from AVX's catalog or AVX's FAX Service. Call 1-800-879-1613 and request document #098. Visit our website <http://www.avxcorp.com>



# Thick Film Chip Trimmer Potentiometers



## CVR-32 / CVR-42 / CVR-43 Series

Dimensions:

| Item                             | Circuit Type | Equivalent Circuit | Dimensions (Unit:mm)  |
|----------------------------------|--------------|--------------------|---|
| (Face) (Back)<br><br>CVR-43 Auto | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Solder Pad<br>Rotor<br>Dimensions: 3.8±0.2, 0.55, 2.7, 0.3, 0.8, 1.8±0.2, 0.4, 2.0, 0.6, 1.25, 1.2, 1.1, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08  |
|                                  | C type       |                    |   |
| <br>CVR-42 Auto                  | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Rotor Terminal<br>Solder Pad<br>Rotor<br>Dimensions: 3.8±0.2, 0.55, 2.7, 0.3, 0.8, 1.8±0.2, 0.4, 1.9±0.1, 1.5, 2.2, 1.5, 1.20, 1.05, 1.05, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08        |
|                                  | C type       |                    |   |
| <br>CVR-43 Reverse               | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Screw for Adjustment<br>Solder Pad<br>Rotor<br>Dimensions: 3.8±0.2, 0.4±0.1, 2.8±0.2, 0.3, 0.8, 1.6±0.2, 0.4, 2.2, 0.6, 1.25, 1.2, 1.1, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08           |
|                                  | C type       |                    |   |
| <br>CVR-43 Standard              | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Solder Pad<br>Rotor<br>Dimensions: 3.8±0.2, 0.4±0.1, 2.8±0.2, 0.3, 0.8, 1.6±0.2, 0.4, 2.2, 0.6, 1.25, 1.2, 1.1, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08                                   |
|                                  | C type       |                    |   |
| <br>CVR-42 Standard              | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Rotor Terminal<br>Solder Pad<br>Rotor<br>Dimensions: 3.8±0.2, 0.4±0.1, 2.8±0.2, 0.3, 0.8, 1.6±0.2, 0.4, 1.9±0.1, 1.5, 2.2, 1.5, 1.20, 1.05, 1.05, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08, 0.64±0.08 |
|                                  | C type       |                    |   |
| <br>CVR-32 Standard              | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Rotor Terminal<br>Solder Pad<br>Rotor<br>Type Marking<br>Dimensions: 3.0±0.1, 1.2±0.1, 0.4±0.1, 3.7±0.1, 2.0±0.1, 0.75, 1.5 max, 0.8, 1.2, 0.6, 1.2, 1.0, 0.9, 1.2±0.1, 0.8±0.1, 0.8±0.1                |
|                                  | A type       |                    |   |
| <br>CVR-32 Auto                  | A type       |                    | <br>Contact Point Marking<br>Ceramic Substrate<br>Terminal<br>Solder Pad<br>Rotor<br>Dimensions: 3.0±0.1, 0.4±0.1, 2.3, 1.8, 3.7±0.2, 0.8, 1.2, 1.8, 1.0, 0.9, 1.7 max, 0.8, 0.8  |

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