

# Thick Film Chip Resistor Arrays (2, 4 & 8 Resistors)



## Dimensions: millimeters (inches)

|       | 2 elements<br>CRB1A2E series | 2 elements<br>CRC1A2E series |
|-------|------------------------------|------------------------------|
| Style |                              |                              |
| W     | 1.60±0.15 (.063±.006)        | 1.60±0.15 (.063±.006)        |
| L     | 1.60±0.15 (.063±.006)        | 1.60±0.15 (.063±.006)        |
| c     | 0.30±0.20 (.012±.008)        | 0.30±0.20 (.012±.008)        |
| d     | 0.40±0.15 (.016±.006)        | 0.20±0.15 (.008±.006)        |
| t     | 0.60±0.10 (.024±.004)        | 0.50±0.10 (.020±.004)        |
| p     | 0.8 typ (.031)               | 0.8 typ (.031)               |
| e1    | 0.50±0.15 (.020±.006)        |                              |
| e2    |                              | 0.60±0.15 (.024±.006)        |

Please contact Kyocera for specifications not covered in this catalog.

|       | 4 elements<br>CRA3A4E series | 4 elements<br>CRB2A4E series | 4 elements<br>CRB3A4E series | 4 elements<br>CRC3A4E series |
|-------|------------------------------|------------------------------|------------------------------|------------------------------|
| Style |                              |                              |                              |                              |
| W     | 1.60±0.15 (.063±.006)        | 1.0±0.10 (.039±.004)         | 1.60±0.15 (.063±.006)        | 1.60±0.15 (.063±.006)        |
| L     | 3.20±0.15 (.126±.006)        | 2.0±0.10 (.079±.004)         | 3.20±0.15 (.126±.006)        | 3.20±0.15 (.126±.006)        |
| c     | 0.30±0.20 (.012±.008)        | 0.20±0.15 (.008±.006)        | 0.30±0.20 (.012±.008)        | 0.30±0.20 (.012±.008)        |
| d     | 0.20±0.15 (.008±.006)        | 0.25±0.15 (.010±.006)        | 0.40±0.15 (.016±.006)        | 0.20±0.15 (.008±.006)        |
| t     | 0.50±0.10 (.020±.004)        | 0.40±0.10 (.016±.004)        | 0.60±0.10 (.024±.004)        | 0.50±0.10 (.020±.004)        |
| p     | 0.8 typ (.031)               | 0.50±0.05 (.020±.002)        | 0.8 typ (.031)               | 0.8 typ (.031)               |
| e1    | 0.45±0.15 (.018±.006)        | 0.25 typ (.010)              |                              | 0.45±0.15 (.018±.006)        |
| e2    |                              |                              | 0.50±0.15 (.020±.006)        | 0.60±0.15 (.024±.006)        |
| b     |                              | 0.15 typ (.006)              |                              |                              |

## Specifications

|       | 8 elements<br>RNA4A8E series |
|-------|------------------------------|
| Style |                              |
| W     | 2.10±0.15 (.083±.008)        |
| L     | 4.00±0.15 (.157±.006)        |
| T     | 0.60±0.10 (.024±.004)        |
| A1    | 0.50±0.10 (.020±.004)        |
| A2    | 0.40±0.10 (.016±.004)        |
| B1    | 0.25±0.15 (.010±.006)        |
| B2    | 0.40±0.15 (.016±.004)        |
| E1    | 0.50±0.10 (.020±.004)        |
| E2    | 0.50±0.10 (.020±.004)        |
| F1    | 0.30±0.15 (.012±.006)        |
| F2    | 0.35±0.15 (.014±.006)        |
| D     | 0.30 typ. (.012)             |
| P     | 0.80 typ. (.031)             |

| Chip Resistor<br>Arrays<br>Ratings | CRB2A/CRB1A/CRC1A<br>CRA3A/CRB3A/CRC3A<br>Series | RNA4A Series                 |
|------------------------------------|--------------------------------------------------|------------------------------|
| Rated power (70°C)                 | 1/16W                                            | 1/16W<br>(0.0625W / element) |
| Maximum working voltage            | 50V                                              | 25V                          |
| Maximum over-load voltage          | 100V                                             | 50V                          |
| Nominal resistance value range     | 10Ω ~ 2.2MΩ                                      | 10Ω ~ 220KΩ                  |
| Resistance tolerance               | J: ±5%                                           | J: ±5%                       |
| Working temperature range          | -55°C ~ +125°C                                   | -55°C ~ +125°C               |
| TCR                                | -250 ~ +250 ppm/°C                               | -250 ~ +250 ppm/°C           |

## Chip Jumper Arrays

| Item                        | Rating     |
|-----------------------------|------------|
| Rated current               | 1A         |
| Conductive resistance value | 50 MΩ max. |

## HOW TO ORDER

**CRA3A 3E 103 J T**  
① ② ③ ④ ⑤

- Style & Size:**  
CRB1A/CRC1A  
CRA3A/CRB3A/CRC3A  
CRB2A  
RNA4A  
Note: change CR to CJ for 0 ohm jumpers
- Number of Resistors:**  
2E = Two resistors  
4E = Four resistors  
8E = Eight resistors
- Resistance Code:**  
Standard decade values
- Resistance Tolerance:**  
K = ±10%, J = ±5%
- Packaging:**  
B = Bulk (1,000 pcs/bag)  
T = Taping (5,000 pcs/reel)