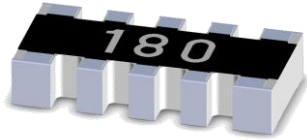


# Thick Film Chip Resistor Convex Array- BCAD Series



## Features

- RoHS, Halogen Free and REACH Compliance
- High component and equipment reliability
- PCB space saving
- None forbidden-materials used in products/production

## Applications

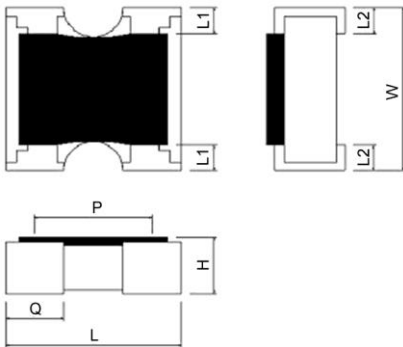
- All general purpose application

## Product Identification

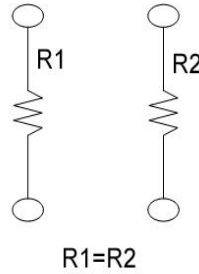
B	CAD	00	0402	2	10R2	F	TH
Grade	Product Series	Control Code	Dimensions Code (inch)	Circuits	Nominal Resistance	Tolerance	Taping Code
	Thick film		0402	2	10R2=10.2Ω	D=±0.5%	TH: 10000Pcs/Reel
	Chip Resistors		0603	4	1002=10KΩ	F=±1%	TP: 5000Pcs/Reel
	Convex Array			8		G=±2%	
						J=±5%	

## Configuration and Dimensions

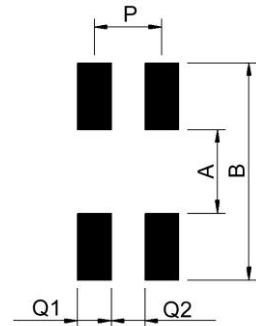
BCAD00004022



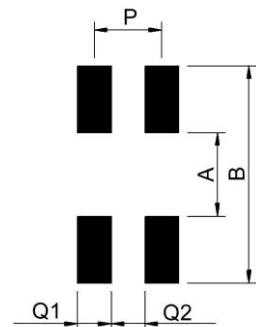
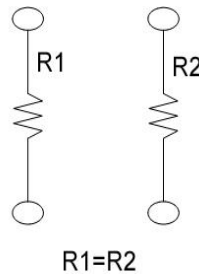
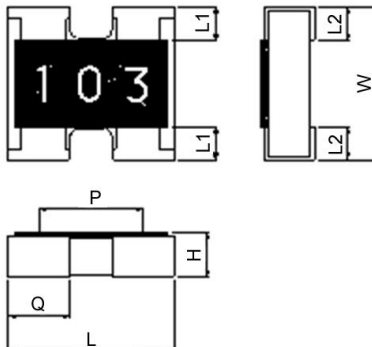
## Circuits



## Recommended Pattern



BCAD0006032



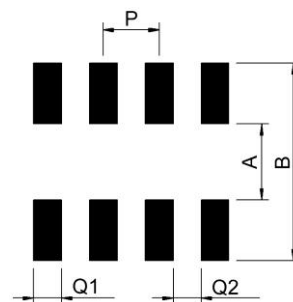
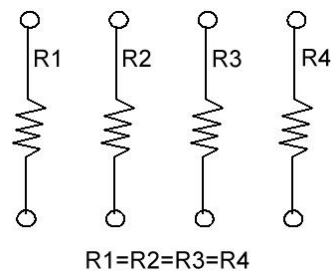
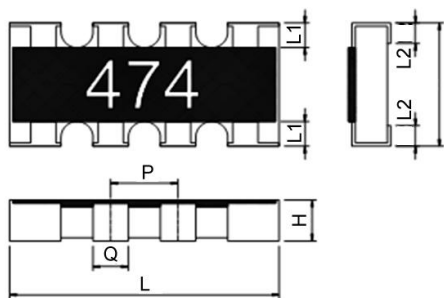
Dimensions in mm

Type	Configuration and Dimensions							Measurement Point				
	L	W	H	L1	L2	P	Q	A	B	P	Q1	Q2
BCAD0004022	1.0±0.1	1.0±0.1	0.3±0.05	0.15±0.1	0.25±0.10	0.67	0.33±0.1	0.5	2.0	0.67	0.33	0.34
BCAD0006032	1.6±0.15	1.6±0.15	0.45±0.1	0.3±0.15	0.30±0.15	0.8	0.60±0.1	1.0	2.6	0.8	0.40	0.40

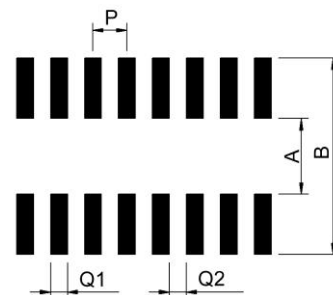
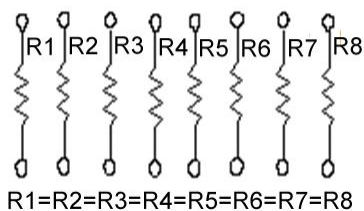
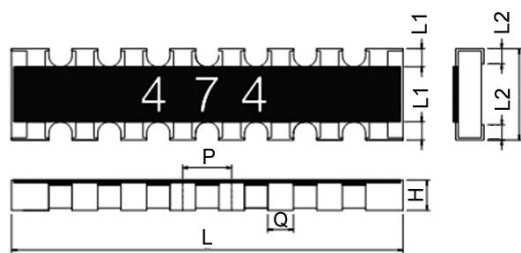
# Thick Film Chip Resistor Convex Array- BCAD Series

## Configuration and Dimensions

BCAD0004024/BCAD0006034



BCAD0004028



Dimensions in mm

Type	Configuration and Dimensions							Measurement Point				
	L	W	H	L1	L2	P	Q	A	B	P	Q1	Q2
BCAD0004024	2.0±0.1	1.0±0.10	0.40±0.1	0.2±0.10	0.25±0.10	0.5	0.30±0.1	0.5	2.0	0.5	0.28	0.22
BCAD0006034	3.2±0.2	1.6±0.15	0.5±0.10	0.3±0.15	0.30±0.15	0.80	0.50±0.1	1.0	2.6	0.80	0.40	0.40
BCAD0004028	4.0±0.2	1.6±0.10	0.40±0.1	0.3±0.15	0.30±0.10	0.5	0.25±0.1	1.0	2.6	0.5	0.25	0.25

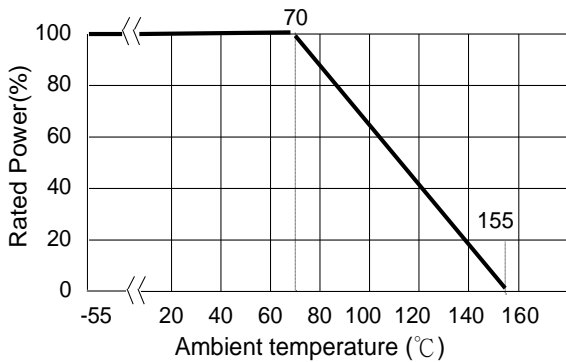
# Thick Film Chip Resistor Convex Array- BCAD Series

## Electrical Characteristics Resistance Range:

Type	Rated Power at 70°C (W)	Working Voltage (V) Max.	Overload Voltage (V) Max.	T.C.R (ppm/°C)	Resistance Range (Ω)			Number of Terminals	Number of Resistors	JUMPER Rated Current (A)	JUMPER Resistance Value (mΩ) Max.	
					±0.5%	±1%	±2%,±5%				±1%	±5%
					E-24、E-96	E-24、E-96	E-24					
BCAD0004022	1/16	25	50	±300		1 ≤ R < 10	1 ≤ R < 10	4	2	1	25	50
				±200	-	10 ≤ R < 10M	10 ≤ R < 10M					
BCAD0006032	1/16	50	100	±200	-	10 ≤ R < 10M	1 ≤ R < 10M	4	2	1	-	50
BCAD0004024	1/16	25	50	±300	-	1 ≤ R < 10	1 ≤ R < 10	8	4	1	25	50
				±200	-	10 ≤ R < 10M	10 ≤ R < 10M					
BCAD0006034	1/16	50	100	±200	22 ≤ R < 470K	1 ≤ R < 10M	1 ≤ R < 10M	8	4	1	25	50
BCAD0004028	1/16	25	50	±250		10 ≤ R < 10M	1 ≤ R < 10M	16	8	1	-	50
Operating Temperature Range				-55°C ~ +155°C								

**Note: When ordering, please specify tolerance code. Tolerance: D=±0.5%, F=±1%, G=±2%, J=±5%**

- Power Derating Curve: Operating Temperature Range: -55°C ~ +155°C or For resistors operated in ambient temperatures 70°C, power rating shall be derated in accordance with the curve below:



- Rated Voltage:** The resistor shall have a DC continuous working voltage or a rms. AC continuous working voltage at commercial-line frequency and wave form corresponding to the power rating, as determined from the following:

Remark: E: Rated voltage (V), P: Power rating (W), R: Nominal Resistance (Ω)

$$E = \sqrt{R \times P}$$

- Rating Current:** The resistor shall have a DC continuous working current or a rms. AC continuous working current at commercial-line frequency and wave form corresponding to the power rating, as determined from the following:

Remark: I: Rating Current (A), P: Rating Power (W), R: Nominal Resistance (Ω)

$$I = \sqrt{P/R}$$

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