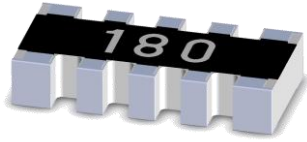


# Thick Film Chip Resistor Flat Type Array- BCAF Series



## Features

- RoHS, Halogen Free and REACH Compliance
- Flat type thick film chip resistors array
- Pb contained in glass material of resistor element are exempted by RoHS directive

## Applications

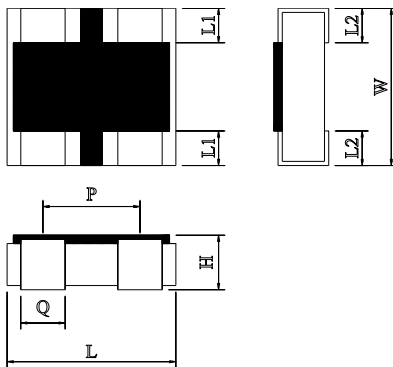
- All general purpose application

## Product Identification

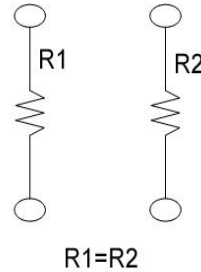
B	CAF	00	0201	4	10R2	F	TH
Grade	Product Series	Control Code	Dimensions Code (inch)	Circuits	Nominal Resistance	Tolerance	Taping Code
	Flat Type Thick film Chip Resistors Array		0201	2	10R2=10.2Ω	F=±1%	TH: 10000Pcs/Reel
				4	1001=1KΩ	J=±5%	

## Configuration and Dimensions

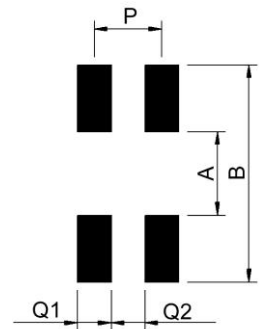
BCAF0002012



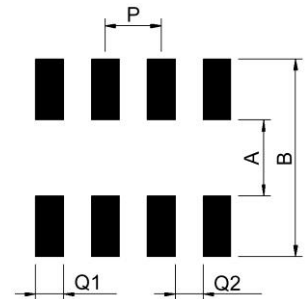
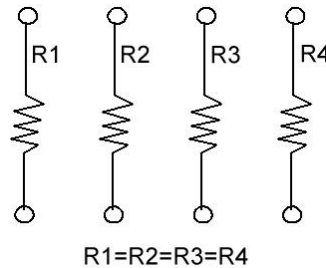
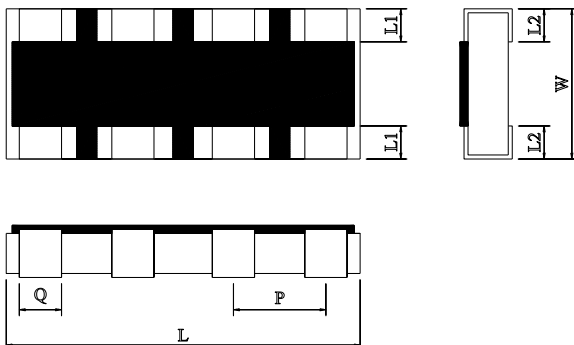
## Circuits



## Recommended Pattern



BCAF0002014



Dimensions in mm

Type	Configuration and Dimensions							Measurement Point				
	L	W	H	L1	L2	P	Q	A	B	P	Q1	Q2
BCAF0002012	0.8±0.05	0.6±0.05	0.23±0.1	0.2 <sup>+0.05</sup> <sub>-0.1</sub>	0.1 <sup>+0.1</sup> <sub>-0.05</sub>	0.5±0.05	0.2±0.1	0.30	0.90	0.50	0.30	0.20
BCAF0002014	1.4±0.05	0.6±0.05	0.23±0.1	0.2 <sup>+0.05</sup> <sub>-0.1</sub>	0.1 <sup>+0.1</sup> <sub>-0.05</sub>	0.4±0.05	0.2±0.1	0.30	0.90	0.40	0.20	0.20

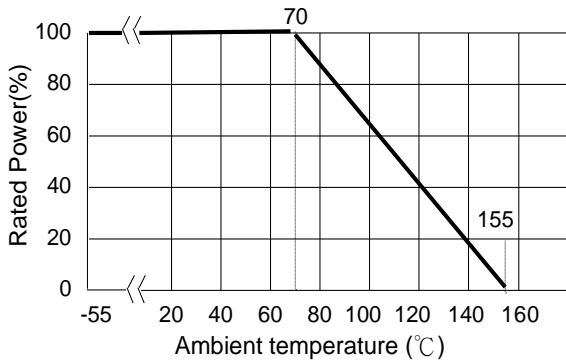
# Thick Film Chip Resistor Flat Type Array- BCAF Series

## 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.
					±1%, ±5% E-24 · E-96				
BCAF0002012	1/32	12.5	25	+400/-200	$1 \leq R < 100$	4	2	0.5	50
				±250	$100 \leq R < 1M$				
BCAF0002014	1/32	12.5	25	+400/-200	$10 \leq R < 100$	8	4	0.5	50
				±250	$100 \leq R < 1M$				
Operating Temperature Range				-55°C ~ +155°C					

**Note: When ordering, please specify tolerance code. Tolerance: F=±1%, 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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