

Thick Film Chip Resistor Concave Array- BCAC Series



Features

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

Applications

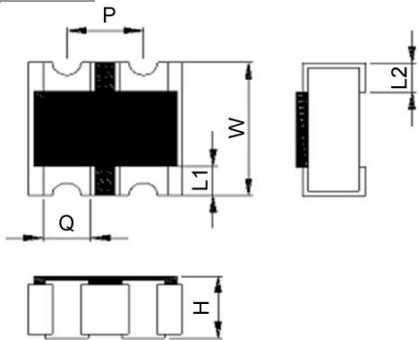
- All general purpose application

Product Identification

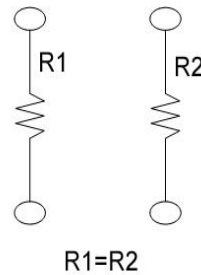
B	CAC	00	0402	2	10R2	F	TH
Grade	Product Series	Control Code	Dimensions Code (inch)	Circuits	Nominal Resistance	Tolerance	Taping Code
	Thick film Chip Resistors Concave Array		0402	2	10R2=10.2Ω	F=±1%	TH: 10000Pcs/Reel
				4	1002=10KΩ	G=±2%	
						J=±5%	

Configuration and Dimensions

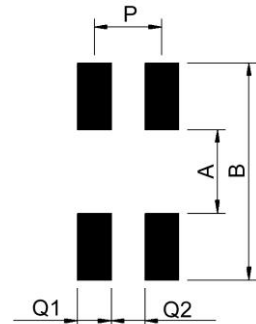
BCAC0004022



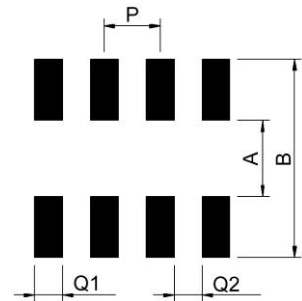
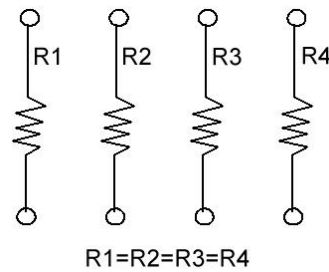
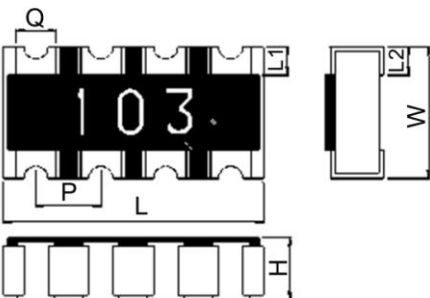
Circuits



Recommended Pattern



BCAC0004024



Dimensions in mm

Type	Configuration and Dimensions							Measurement Point				
	L	W	H	L1	L2	P	Q	A	B	P	Q1	Q2
BCAC0004022	1.0±0.10	1.0±0.10	0.30±0.1	0.18±0.1	0.25±0.1	0.5	0.30±0.1	0.5	2.0	0.5	0.28	0.22
BCAC0004024	2.0±0.10	1.0±0.10	0.40±0.1	0.150±0.1	0.25±0.10	0.5	0.3±0.1	0.5	2.0	0.5	0.28	0.22

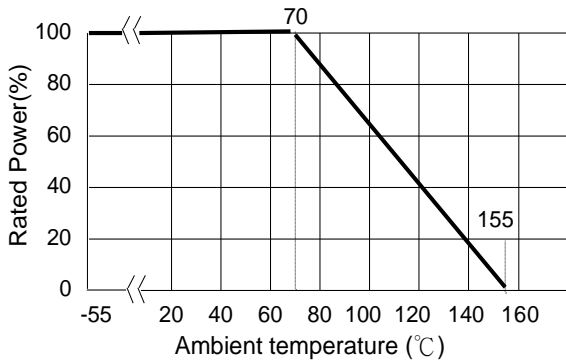
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Electrical Characteristics Resistance Range:

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% E-24 · E-96	±2%, ±5% E-24				±1%	±5%
BCAC0004022	1/16	25	50	±650	$3 \leq R \leq 10$	$3 \leq R \leq 10$	4	2	1	25	50
				±200	$10 \leq R \leq 1M$	$10 \leq R \leq 1M$					
BCAC0004024	1/16	25	50	±400	$1 \leq R \leq 10$	$1 \leq R \leq 10$	8	4	1	-	50
				±200	$10 \leq R \leq 1M$	$10 \leq R \leq 1M$					
Operating Temperature Range				-55°C ~ +155°C							

Note: When ordering, please specify tolerance code. Tolerance: 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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