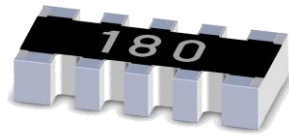


**Thick Film Chip Resistors Array ACAD Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



Thick Film

Array

**Part Numbering**

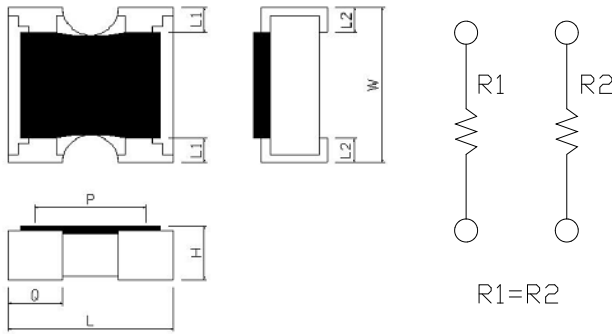
A	CAD	00	0402	4	1002	F	TP
Grade	Product Series	Control Code	Dimensions Code (inch)	Number of Circuits	Nominal Resistance	Tolerance	Taping Code
			0402 1.0x1.0	2 2circuits	4.7Ω 4R7X	D ±0.5%	0402 TH
			0603 1.6x1.6	4 4circuits	10.2Ω 10R2	F ±1%	0603 TP
				8 8circuits	10KΩ 1002	J ±5%	

**Thick Film Chip Resistors Array ACAD Series**

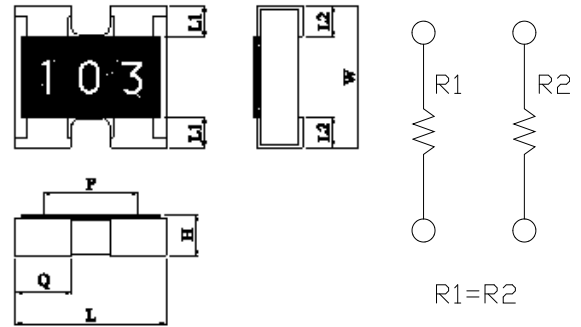
**Automotive  
AEC-Q200**

**■ Dimensions and Circuits**

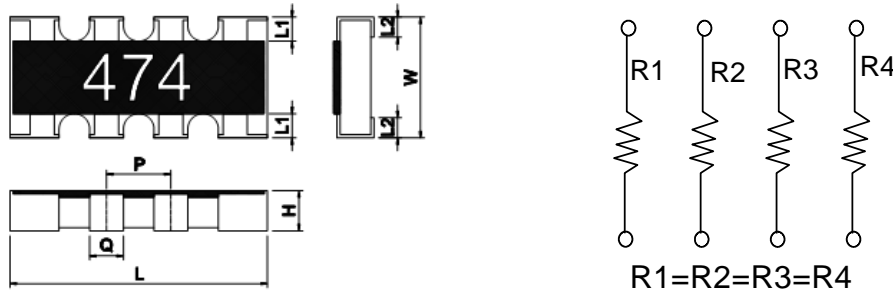
**ACAD0004022**



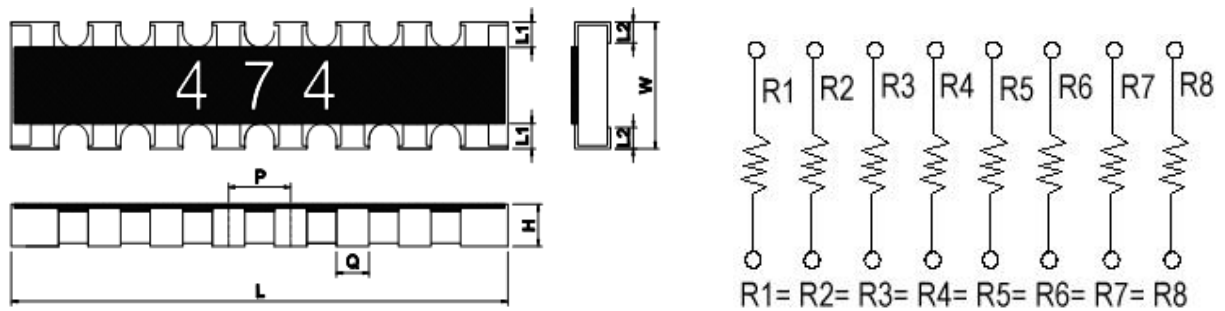
**ACAD0006032**



**ACAD0004024 / 0006034**

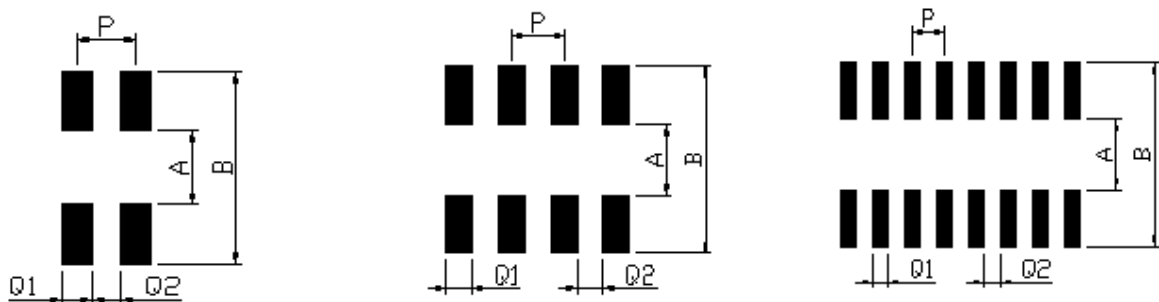


**ACAD0004028**



**■ Recommend Land Pattern Design (For Reflow Soldering)**

**ACAD0004022 / 0006032    ACAD0004024 / 0006034    ACAD0004028**





**Thick Film Chip Resistors Array ACAD Series**

**Automotive  
AEC-Q200**

**■ Dimensions and Recommend Land Pattern**

unit:mm

TYPE	Dimensions							Recommended Land Pattern				
	L	W	H	L1	L2	P	Q	A	B	P	Q1	Q2
ACAD0004022	1.00±0.10	1.00±0.10	0.30±0.05	0.15±0.10	0.25±0.10	0.67	0.33±0.1	0.5	2.0	0.67	0.33	0.34
ACAD0006032	1.60±0.15	1.60±0.15	0.45±0.10	0.30±0.15	0.30±0.15	0.80	0.60±0.1	1.0	2.6	0.80	0.40	0.40
ACAD0004024	2.00±0.10	1.00±0.10	0.40±0.10	0.20±0.10	0.25±0.10	0.50	0.30±0.1	0.5	2.0	0.50	0.28	0.22
ACAD0006034	3.20±0.20	1.60±0.15	0.50±0.10	0.30±0.15	0.30±0.15	0.80	0.50±0.1	1.0	2.6	0.80	0.40	0.40
ACAD0004028	4.00±0.20	1.60±0.10	0.40±0.10	0.30±0.15	0.30±0.10	0.50	0.25±0.1	1.0	2.6	0.50	0.25	0.25



**Thick Film Chip Resistors Array ACAD Series**

**Automotive  
AEC-Q200**

**ACAD Type**

**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			Number of Terminals	Number of Resistors	Jumper Rated Current (A)	Jumper Resistance Value (mΩ)Max.
					±0.5% E-24、E-96	±1% E-24、E-96	±5% E-24				
ACAD0004022	1/16	25	50	±300	-	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$	4	2	1	50
				±200	-	$10\Omega \leq R \leq 10M\Omega$	$10\Omega \leq R \leq 10M\Omega$				
ACAD0006032	1/16	50	100	±200	-	$10\Omega \leq R \leq 10M\Omega$	$10\Omega \leq R \leq 10M\Omega$	4	2	1	50
ACAD0004024	1/16	25	50	±300	-	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$	8	4	1	50
				±200	-	$10\Omega \leq R \leq 10M\Omega$	$10\Omega \leq R \leq 10M\Omega$				
ACAD0006034	1/16	50	100	±200	$22\Omega \leq R \leq 470K\Omega$	$1\Omega \leq R \leq 10M\Omega$	$1\Omega \leq R \leq 10M\Omega$	8	4	1	50
ACAD0004028	1/16	25	50	±250	-	$10\Omega \leq R \leq 10M\Omega$	$1\Omega \leq R \leq 10M\Omega$	16	8	1	50
Operating Temperature Range				-55~+155°C							

## Legal disclaimer

CHILISIN, its distributors and agents (collectively, "CHILISIN"), hereby disclaims any and all liabilities for any errors, inaccuracies or incompleteness contained in any product related information, including but not limited to product specifications, datasheets, pictures and/or graphics. CHILISIN may make changes, modifications and/or improvements to product related information at any time and without notice.

CHILISIN makes no representation, warranty, and/or guarantee about the fitness of its products for any particular purpose or the continuing production of any of its products. To the maximum extent permitted by law, CHILISIN disclaims (i) any and all liability arising out of the application or use of any CHILISIN product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for a particular purpose, non-infringement and merchantability.

CHILISIN defined this product is for general electrical use , not design for any application for automotive electrical ,life-saving or life support equipment, or any application which may inflict casualties if CHILISIN product failure occurred. When consumer is using or selling products of CHILISIN without having discussion with the sales representatives and specifically stated the applicability mentioned above in a written form, then the client need to take a full responsibility and agree to protect CHILISIN from punishment and damage.

Information provided here is intended to indicate product specifications only. CHILISIN reserves all the rights for revising this content without further notification, as long as products are unchanged. Any product change will be announced by ECN.