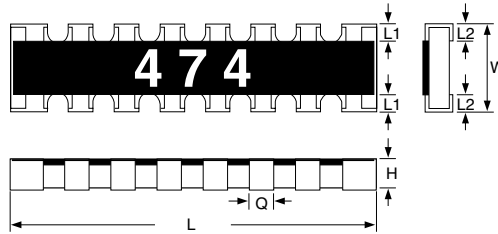
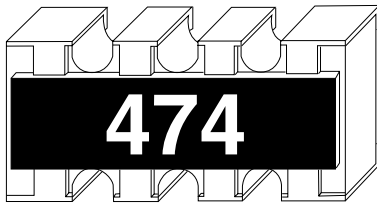


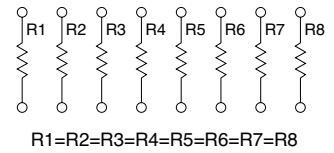
# THICK FILM CHIP RESISTORS ARRAY

## ■ DIMENSIONS

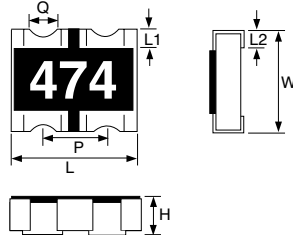
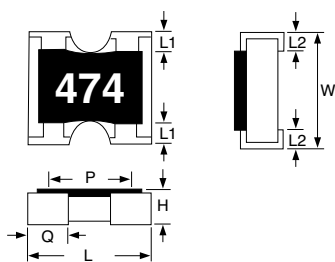
RTA02-8D / RTA03-8C



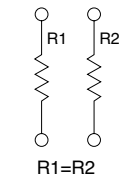
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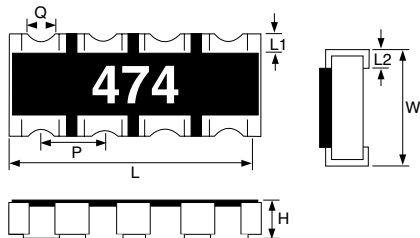
RTA02-2D/RTA03-2D/RTA03-2C



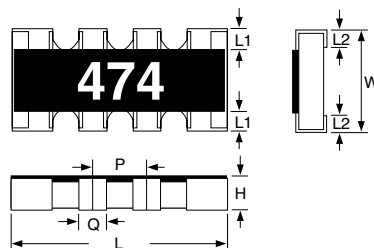
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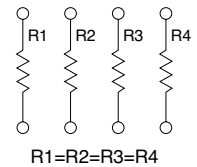
RTA02-4C/RTA03-4C



RTA02-4D / RTA03-4D



<Circuits>



Unit: mm

Type	Dimensions	L	W	H	L1	L2	P	Q
RTA02-2D(0402)		1.00 ± 0.10	1.00 ± 0.10	0.30 ± 0.05	0.15 ± 0.10	0.25 ± 0.10	0.67	0.33 ± 0.10
RTA03-2D(0603)		1.60 ± 0.15	1.60 ± 0.15	0.45 ± 0.10	0.30 ± 0.15	0.30 ± 0.15	0.80	0.60 ± 0.10
RTA02-4D(0402)		2.00 ± 0.10	1.00 ± 0.10	0.40 ± 0.10	0.20 ± 0.10	0.25 ± 0.10	0.50	0.30 ± 0.10
RTA02-4C(0402)		2.00 ± 0.10	1.00 ± 0.10	0.40 ± 0.10	0.15 ± 0.10	0.25 ± 0.10	0.50	0.30 ± 0.10
RTA03-4D(0603)		3.20 ± 0.20	1.60 ± 0.15	0.50 ± 0.10	0.30 ± 0.15	0.30 ± 0.15	0.80	0.50 ± 0.10
RTA03-4C(0603)		3.20 ± 0.15	1.60 ± 0.15	0.55 ± 0.10	0.35 ± 0.15	0.45 ± 0.15	0.80	0.50 ± 0.10
RTA02-8D(0402)		4.00 ± 0.20	1.60 ± 0.10	0.45 ± 0.10	0.30 ± 0.15	0.30 ± 0.10	0.50	0.25 ± 0.10
RTA03-8C(0603)		6.40 ± 0.20	1.60 ± 0.20	0.55 ± 0.10	0.30 ± 0.15	0.40 ± 0.15	0.80	0.50 ± 0.10
RTA03-2C(0603)		1.60 ± 0.15	1.60 ± 0.15	0.55 ± 0.10	0.30 ± 0.15	0.40 ± 0.15	0.80	0.50 ± 0.10

# THICK FILM CHIP RESISTORS ARRAY

## ■ General specifications

Type	Rated Power at 70°C	Max. Working Voltage	Max. Overload Voltage	T.C.R. (ppm/°C)	Resistance Range			Number of Terminals	Number of Resistors	Jumper (0Ω) Rated Current	Jumper (0Ω) Resistance Value	Operating Temperature Range
					D(± 0.5%) E-96	F(± 1%) E-96	G(± 2%) J(± 5%)					
RTA02-2D(0402)	$\frac{1}{16}$ W	25V	50V	± 250	-	-	10Ω~1MΩ	4	2	1A	50mΩMA	-55°C ~ +155°C
RTA03-2D(0603)	$\frac{1}{16}$ W	50V	100V	± 200	-	-	1Ω~10MΩ	4	2	1A	50mΩMA	
RTA02-4D(0402)	$\frac{1}{10}$ W	25V	50V	± 200	-	-	10Ω~1MΩ	8	4	1A	50mΩMA	
RTA02-4C(0402)	$\frac{1}{16}$ W	25V	50V	± 200	-	1Ω~1MΩ	1Ω~1MΩ	8	4	1A	50mΩMA	
RTA03-4D(0603)	$\frac{1}{16}$ W	50V	100V	± 200	22Ω~470KΩ	1Ω~10MΩ	1Ω~10MΩ	8	4	1A	50mΩMA	
RTA03-4C(0603)	$\frac{1}{16}$ W	50V	100V	± 200	-	1Ω~1MΩ	1Ω~10MΩ	8	4	1A	50mΩMA	
RTA02-8D(0402)	$\frac{1}{16}$ W	25V	50V	± 250	-	-	10Ω~1MΩ	16	8	1A	50mΩMA	
RTA02-8C(0603)	$\frac{1}{16}$ W	50V	100V	± 200	-	1Ω~1MΩ	1Ω~10MΩ	16	8	1A	50mΩMA	
RTA03-2C(0603)	$\frac{1}{16}$ W	50V	100V	± 200	-	1Ω~1MΩ	1Ω~10MΩ	4	2	1A	50mΩMA	

## ■ EXPLANATION OF PART NUMBERS

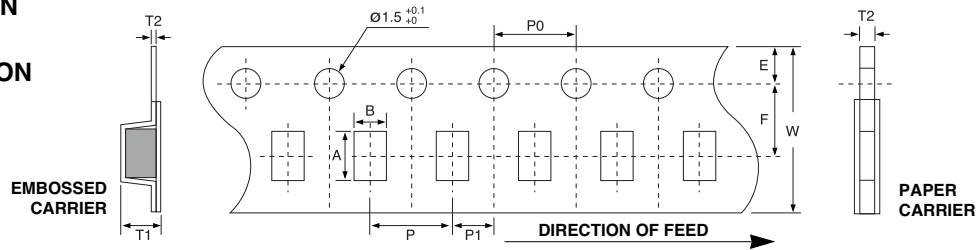
(EX)

RTA	03	—	4	D	101	J	TP
Type	Size	Number of Circuits		Termination Type	Nominal Resistance	Resistance Tolerance	Packing
Chip Resistors Array	02(0402) 03(0603)	2: 2 circuits 4: 4 circuits 8: 8 circuits		D: Convex C: Concave	■ Resistors • 3-Digit: E24 Series Ex 10Ω=100 100Ω=101 • 4-Digit: E96 Series Ex 10.2Ω=10R2 10KΩ=1002 ■ Jumper: 000	D = ± 0.5% F = ± 1% G = ± 2% J = ± 5%	TH: 2mm Pitch Paper (Taping) 10000pcs H2: 2mm Pitch Paper (Taping) 20000pcs TP: 4mm Pitch Paper (Taping) 5000pcs P2: 4mm Pitch Paper (Taping) 10000pcs P3: 4mm Pitch Paper (Taping) 15000pcs P4: 4mm Pitch Paper (Taping) 20000pcs
T : Sn(Tin) Process							

# THICK FILM CHIP RESISTORS / ARRAY

## • PACKING DESCRIPTION

### ■ TAPING SPECIFICATION Carrier Tape

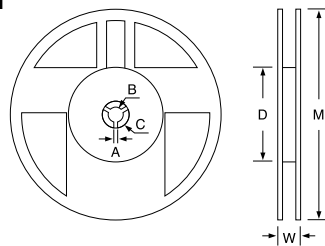


### ■ PACKAGING

Packaging	DIM TYPE	A	B	W	E	F	T1	T2	P	P0	10×P0	P1
0402	0402	1.15 ± 0.05	0.65 ± 0.05	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.05	-	0.45 ± 0.05	2.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
0603	0603	1.70 ± 0.1	0.85 ± 0.05	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.05	-	0.60 ± 0.1	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
0805	0805	2.30 ± 0.1	1.55 ± 0.1	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.05	-	0.75 ± 0.1	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
1206	1206	3.50 ± 0.2	1.9 ± 0.2	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.05	-	0.75 ± 0.1	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
1210	1210	3.50 ± 0.2	2.8 ± 0.2	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.05	-	0.75 ± 0.10	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
2010	2010	5.50 ± 0.2	2.8 ± 0.2	12.0 ± 0.2	1.75 ± 0.1	5.5 ± 0.05	-	0.75 ± 0.1	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
2010	2010	5.50 ± 0.2	2.8 ± 0.2	12.0 ± 0.2	1.75 ± 0.1	5.5 ± 0.05	0.85 ± 0.15	0.23 ± 0.15	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05
2521	2521	6.70 ± 0.2	3.4 ± 0.2	12.0 ± 0.2	1.75 ± 0.1	5.5 ± 0.05	0.85 ± 0.15	0.23 ± 0.15	4.0 ± 0.1	4.0 ± 0.05	40.0 ± 0.20	2.0 ± 0.05

RTA Series										Unit: mm
Type	A	B	W	E	F	T2	P	P0	P1	
02-2D	1.20 ± 0.10	1.20 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.43 ± 0.10	2.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
02-4D	2.20 ± 0.10	1.20 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.60 ± 0.10	2.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
02-4C	2.20 ± 0.10	1.20 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.60 ± 0.10	2.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
02-8D	4.30 ± 0.20	1.90 ± 0.10	12.0 ± 0.20	1.75 ± 0.10	5.5 ± 0.05	0.60 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
03-2D	1.90 ± 0.10	1.90 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.60 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
03-2C	1.90 ± 0.10	1.90 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.75 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
03-4D	3.45 ± 0.10	1.90 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.75 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
03-4C	3.45 ± 0.10	1.90 ± 0.10	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.75 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
03-8C	6.90 ± 0.20	2.00 ± 0.20	12.0 ± 0.20	1.75 ± 0.10	5.5 ± 0.05	0.75 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	
02-10T/R/S	3.50 ± 0.20	1.90 ± 0.20	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 0.05	0.75 ± 0.10	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	

### ■ REEL SPECIFICATION



Unit: mm

Type	W	M	A	B	C	D
7" reel for 8 mm tape	12.5 ± 1.5	178 ± 2.0	2.0 ± 0.5	13.5 ± 0.5	21.0 ± 0.5	60.0 ± 2.0
7" reel for 12 mm tape	16.5 ± 1.5	178 ± 2.0				80.0 ± 2.0
10" reel for 8 mm tape	14.5 ± 1.5	254 ± 2.0				100.0 ± 2.0
13" reel for 8 mm tape	14.5 ± 1.5	330 ± 2.0				100.0 ± 2.0

### ■ STANDARD PACKAGING QUANTITIES

Type	Taping Package(pcs/reel)					
	Paper Tape					Plastic Tape
	2mm Pitch	4mm Pitch				4mm Pitch
	TH	TP	P2	P3	P4	TE
0402	10,000	-	-	-	-	-
0603	-	50,000	10,000	15,000	20,000	-
0805	-	50,000	10,000	15,000	20,000	-
1206	-	50,000	10,000	15,000	20,000	-
1210	-	50,000	10,000	15,000	20,000	-
2010	-	-	-	-	-	4,000
2512	-	-	-	-	-	4,000
02-2D	10,000	-	-	-	-	-
02-4D	10,000	-	-	-	-	-
02-4C	10,000	-	-	-	-	-

Type	Taping Package(pcs/reel)					
	Paper Tape					Plastic Tape
	2mm Pitch	4mm Pitch				4mm Pitch
	TH	TP	P2	P3	P4	TE
02-8D	-	50,000	10,000	15,000	20,000	-
03-2D	-	50,000	10,000	15,000	20,000	-
03-4D	-	50,000	10,000	15,000	20,000	-
03-4C	-	50,000	10,000	15,000	20,000	-
03-8C	-	50,000	10,000	15,000	20,000	-
02-10T	-	50,000	10,000	-	-	-
02-10R	-	50,000	10,000	-	-	-
02-10S	-	50,000	10,000	-	-	-
06-10R	-	-	-	-	-	4,000
06-10S	-	-	-	-	-	4,000
Reel diameter	7"	7"	10"	13"	13"	7"

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before your order and/or use.