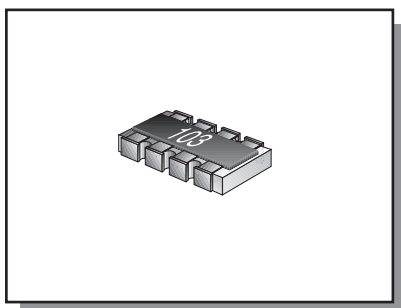




## EUROHM type RCN164

A range of thick film, chip resistor arrays housed in the industry standard 1206 package. The arrays consist of 4 isolated 0603 size resistors and are of a reliable monolithic construction. Supplied taped and reeled.

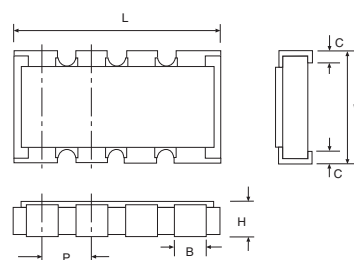


- ◆ 4 isolated resistors
- ◆ 1206 industry standard package
- ◆ Convex nickel barrier terminations
- ◆ Topside marking for easy identification
- ◆ Save board space
- ◆ Reduce placement time & cost
- ◆ Supplied taped & reeled

### Specification

Power rating .....	0.063 Watt per resistor 0.25 Watt per package at 70°C, derate to zero at 125°C
Resistance tolerance.....	±5%
Temperature coefficient.....	±250ppm/°C
Operating temperature range.....	-55°C to +125°C
Max working voltage .....	50V
Test performance (resistance stability)	
Short term overload.....	±(2% +0.1R)
Soldering heat.....	±(1% +0.1R)
Damp heat cycling .....	±(3% +0.1R)
Endurance, 1000 hours .....	±(3% +0.1R)

### Dimensions (mm)



L	W	H	P	B	C
3.2	1.6	0.5	0.8	0.65	0.25

### Marking

3 digit resistance code e.g. 103 = 10K.

### Packaging

TAPE : 8mm wide, 4mm pitch REEL : 178mm dia.

### CONCAVE TERMINATIONS

Available to special order

### CROSS REFERENCE CHART

EUROHM	AVX KYOCERA	BI TECH.	BOURNS	PANASONIC	BC COMP. (Philips)	ROHM
RCN164	CRA3A4E	BCN164A	CAY16	EXB38V	ARC241	MNR14

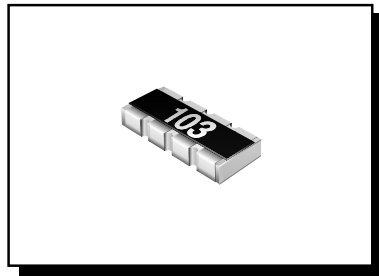
Value Ω	Isolated Resistors
	Anglia Order Code
	Convex
10R	NC100
15R	NC150
22R	NC220
33R	NC330
47R	NC470
68R	NC680
100R	NC101
150R	NC151
220R	NC221
330R	NC331
470R	NC471
680R	NC681
1K0	NC102
1K5	NC152
2K2	NC222
3K3	NC332
4K7	NC472
6K8	NC682
10K	NC103
15K	NC153
22K	NC223
33K	NC333
47K	NC473
68K	NC683
100K	NC104
150K	NC154
220K	NC224
330K	NC334
470K	NC474
680K	NC684
1M0	NC105



## BOURNS type CAT/CAY



The CAT/CAY surface mount chip resistor arrays utilise the latest manufacturing techniques to provide a range of devices which offer excellent resistive characteristics in an industry standard 1206 size package. The devices feature a 4 isolated element design with either concave or convex terminals and are available in values between 10Ω and 1MΩ, all being suitable for operating temperatures of -55°C to 125°C.



- ◆ 4 isolated resistors
- ◆ 1206 industry standard package
- ◆ Concave or **convex** terminal option
- ◆ Resistance values from 10Ω to 1MΩ
- ◆ Supplied taped & reeled

### Specification

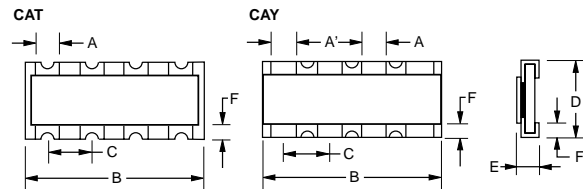
#### Electrical Characteristics

Resistance range..... 10Ω to 1MΩ  
 Resistance tolerance..... ±5%  
 Max. operating voltage..... 50V  
 Power rating @ 70°C..... 62mW max.  
 Temperature coefficient of resistance..... ±200ppm/°C  
 Operating temperature range..... -55°C to +125°C

#### Environmental Characteristics

Short time overload..... ±1% (2.5 x rated voltage/5 seconds)  
 Load life  
 general..... ±2%  
 moisture..... ±2%  
 Soldering heat..... ±1% (260°C ±5%, 10 seconds ±1 second)  
 Temperature cycling..... ±1%  
 125°C (30 minutes) – normal (15 minutes), -30°C (30 minutes) – normal (15 minutes)

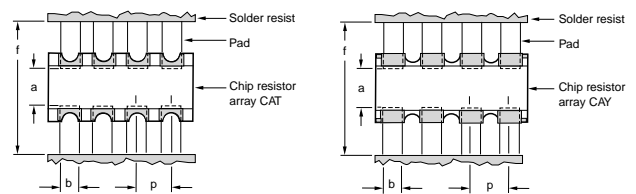
### Dimensions (mm)



Model	A	A'	B	C	D	E	F
CAT	0.5	–	3.2	0.8	1.6	0.5	0.3
CAY	0.5	0.65	3.2	0.8	1.6	0.5	0.3

Value Ω	 Isolated Resistors	
	Manf. Part No. & Anglia Order Code	
	Concave	Convex
10R	CAT16-100J4	CAY16-100J4
15R	CAT16-150J4	CAY16-150J4
22R	CAT16-220J4	CAY16-220J4
33R	CAT16-330J4	CAY16-330J4
47R	CAT16-470J4	CAY16-470J4
68R	CAT16-680J4	CAY16-680J4
100R	CAT16-101J4	CAY16-101J4
150R	CAT16-151J4	CAY16-151J4
220R	CAT16-221J4	CAY16-221J4
330R	CAT16-331J4	CAY16-331J4
470R	CAT16-471J4	CAY16-471J4
680R	CAT16-681J4	CAY16-681J4
1K0	CAT16-102J4	CAY16-102J4
1K5	CAT16-152J4	CAY16-152J4
2K2	CAT16-222J4	CAY16-222J4
3K3	CAT16-332J4	CAY16-332J4
4K7	CAT16-472J4	CAY16-472J4
6K8	CAT16-682J4	CAY16-682J4
10K	CAT16-103J4	CAY16-103J4
15K	CAT16-153J4	CAY16-153J4
22K	CAT16-223J4	CAY16-223J4
33K	CAT16-333J4	CAY16-333J4
47K	CAT16-473J4	CAY16-473J4
68K	CAT16-683J4	CAY16-683J4
100K	CAT16-104J4	CAY16-104J4
150K	CAT16-154J4	CAY16-154J4
220K	CAT16-224J4	CAY16-224J4
330K	CAT16-334J4	CAY16-334J4
470K	CAT16-474J4	CAY16-474J4
680K	CAT16-684J4	CAY16-684J4
1M0	CAT16-105J4	CAY16-105J4

### Pad Pattern



Model	a	b	p	f
CAT	0.7 to 0.9	0.4 to 0.45	0.80	2.0 to 2.2
CAY	0.7 to 0.9	0.4 to 0.45	0.80	2.4 to 2.8