

# BOURNS Chip Resistor Arrays

**BOURNS**

RoHS Compliant This product is RoHS compliant.

## BOURNS CONCAVE AND CONVEX TERMINATION CHIP RESISTOR ARRAYS, LEAD FREE

**Features:**

- Lead free version
- Concave and convex termination style
- Resistance tolerance  $\pm 5\%$
- Suitable for most types of soldering processes



**Specifications:**

- Operating temperature range: -55°C to +125°C

**CAT10, CAY10:**

- Package power rating @ 70°C: 125 mW (J4), 63 mW (J2)
- CAT 10: insulated resistors in 0804 size package
- CAY 10: 2/4 isolated resistors in 0404/0804 size package

**CAT16, CAY16:**

- Power rating per resistor: 62 mW
- Number of elements (isolated): 4 (J4LF), 2 (J2LF)

**J2 Package**

**J4 Package**

**A**

**B**

**C**

**D**

**Circuit Schematics**

**J2 Model**

**J4 Model**

				DIMENSIONS: mm (in.)		
Model	A	B	C			
CAT10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.039±.004)	0.4±0.15 (.015±.006)			
CAY10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)			
CAT10-J2	1.00±0.10 (.040±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)			
CAT16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)			
CAY16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)			
CAT16-J2	1.60±0.15 (.063±.006)	1.60±0.15 (.063±.006)	0.60±0.15 (.024±.006)			
CAY16-J2	1.60±0.15 (.063±.006)	1.60±0.15 (.063±.006)	0.50±0.10 (.020±.004)			

For quantities greater than listed, call for quote.

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MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each					
					1	100	500	1000	5000	10000
<b>CAT 10 Series Concave Termination Chip Resistor Arrays</b>										
652-CAT10-000J4LF	A	0	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-5R1J4LF	A	5.1	4	0804	.50	.29	.145	.113	.084	.077
652-CAT10-100J4LF	A	10	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-180J4LF	A	18	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-220J4LF	A	22	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-240J4LF	A	24	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-330J4LF	A	33	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-470J4LF	A	47	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-510J4LF	A	51	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-103J4LF	A	10K	4	0804	.11	.09	.087	.082	.07	.065
652-CAT10-104J4LF	A	100K	4	0804	.11	.09	.087	.082	.07	.065
<b>CAT16 Series Concave Termination Chip Resistor Arrays</b>										
652-CAT16-000J4LF	A	0	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-3R0J4LF	A	3	4	1206	.42	.158	.105	.10	.073	.063
652-CAT16-100J2LF	B	10	2	0606	.12	.05	.04	.027	.02	.017
652-CAT16-100J4LF	A	10	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-220J4LF	A	22	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-220J2LF	B	22	2	0606	.12	.05	.04	.027	.02	.017
652-CAT16-270J4LF	A	27	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-330J4LF	A	33	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-470J4LF	A	47	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-510J4LF	A	51	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-560J4LF	A	56	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-680J4LF	A	68	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-750J4LF	A	75	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-101J4LF	A	100	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-151J4LF	A	150	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-221J4LF	A	220	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-271J4LF	A	270	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-331J4LF	A	330	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-431J4LF	A	430	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-471J4LF	A	470	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-102J4LF	A	1K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-152J4LF	A	1.5K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-222J4LF	A	2.2K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-272J4LF	A	2.7K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-332J4LF	A	3.3K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-472J4LF	A	4.7K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-822J4LF	A	8.2K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-103J4LF	A	10K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-203J4LF	A	20K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-223J4LF	A	22K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-473J4LF	A	47K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-104J4LF	A	100K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-474J4LF	A	470K	4	1206	.08	.066	.056	.053	.014	.012
652-CAT16-105J4LF	A	1M	4	1206	.08	.066	.056	.053	.014	.012
<b>CAY10 Series Convex Termination Chip Resistor Arrays</b>										
652-CAY10-000J4LF	C	0	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-3R0J2LF	D	3	2	0404	.14	.05	.04	.03	.022	.019
652-CAY10-100J4LF	C	10	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-180J2LF	D	18	2	0404	.14	.05	.04	.03	.022	.019
652-CAY10-220J2LF	D	22	2	0404	.14	.05	.04	.03	.022	.019
652-CAY10-220J4LF	C	22	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-270J4LF	C	27	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-330J4LF	C	33	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-430J4LF	C	43	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-470J4LF	C	47	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-560J4LF	C	56	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-101J4LF	C	100	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-331J4LF	C	330	4	0804	.16	.145	.124	.116	.09	.08

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each					
					1	100	500	1000	5000	10000
<b>CAY10 Series Convex Termination Chip Resistor Arrays (Cont.)</b>										
652-CAY10-471J4LF	C	470	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-102J4LF	C	1K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-222J4LF	C	2.2K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-332J4LF	C	3.3K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-472J4LF	C	4.7K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-822J4LF	C	8.2K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-103J4LF	C	10K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-473J4LF	C	47K	4	0804	.16	.145	.124	.116	.09	.08
652-CAY10-104J4LF	C	100K	4	0804	.16	.145	.124	.116	.09	.08
<b>CAY16 Series Convex Termination Chip Resistor Arrays</b>										
652-CAY16-000J4LF	C	0	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-100J4LF	C	10	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-150J4LF	C	15	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-220J2LF	D	22	2	0606	.08	.03	.02	.017	.014	.012
652-CAY16-220J4LF	C	22	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-240J4LF	C	24	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-270J4LF	C	27	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-330J4LF	C	33	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-390J4LF	C	39	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-470J4LF	C	47	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-510J4LF	C	51	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-560J4LF	C	56	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-680J4LF	C	68	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-820J4LF	C	82	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-101J4LF	C	100	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-121J4LF	C	120	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-151J4LF	C	150	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-181J4LF	C	180	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-221J4LF	C	220	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-271J4LF	C	270	4	1206	.08	.049	.042	.039	.014	.012
652-CAY16-331J4LF	C	330	4	1206	.08	.049	.042	.039	.014	.012