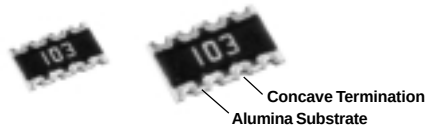
THICK FILM CONCAVE CHIP ARRAYS

CN SERIES Resistor Arrays
ZN SERIES Jumper Arrays

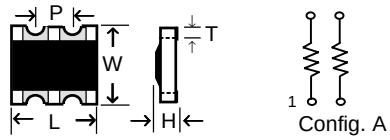
RoHS Term.W is RoHS compliant & 260°C compatible



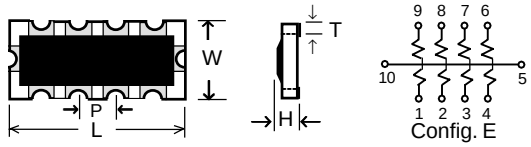
- ❒ Popular self-aligning concave termination pads (convex termination style also available,see SMN series)
- ❒ Industry's widest selection and lowest cost!
- ❒ 1Ω to 10MΩ, 1% to 5%, 6 sizes, 5 circuit schematics
- ❒ 2 to 8 resistors per array reduces mounting costs
- ❒ ZN Series zero ohm jumpers are 1Amp, 50mΩ max

RCD's Series CN resistor and ZN jumper chip arrays not only enable significant pcb space savings, but a sizeable cost savings over the use of individual components. The savings in assembly cost, by placing a single chip instead of multiple chips, more than pays for the cost of these components. Circuits comprisied of multiple values are available on a custom basis.

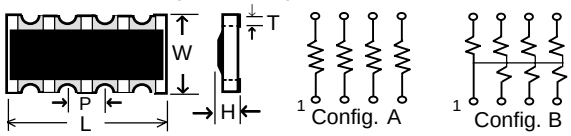
4 PIN: CN0606



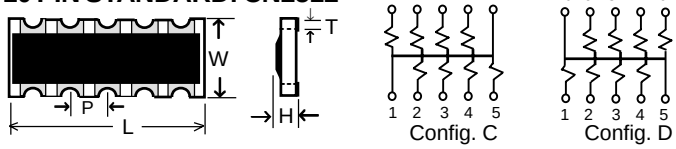
10 PIN MINI: CN1608



8 PIN: CN0804, CN1206, CN2012



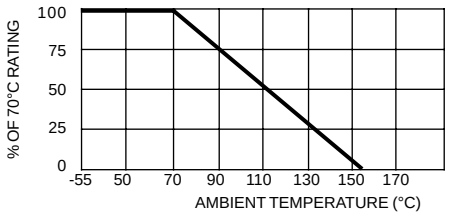
10 PIN STANDARD: CN2512



RCD Type	Config	Rated Power*	Working Voltage	TC (ppm/°C)	Res. Range 1% Tol	Res. Range 2 & 5% Tol	L ±.01 [.25]	W±.008 [.2]	P±.008 [.2]	H±.006 [.15]	T typ.
CN0606	A	62mW	50V	200ppm	1Ω - 1M	1Ω - 10M	.063 [1.6]	.063 [1.6]	.0315 [.8]	.022 [.55]	.012 [.3]
CN0804	A	62mW	25V	200ppm	1Ω - 1M	1Ω - 1M	.079 [2]	.039 [1]	.02 [.5]	.016 [.4]	.010 [.25]
CN1206	A	62mW	50V	200ppm	1Ω - 1M	1Ω - 10M	.126 [3.2]	.063 [1.6]	.0315 [.8]	.022 [.55]	.016 [.4]
CN1608	E	62mW	25V	200ppm	**	22Ω - 1M	.157 [4]	.083 [2.1]	.0315 [.8]	.024 [.6]	.016 [.4]
CN2012	A	125mW	50V	200ppm	**	10Ω - 1M	.200 [5.08]	.126 [3.2]	.050 [1.27]	.024 [.6]	.022 [.56]
CN2012	B**	62mW	50V	200ppm	**	10Ω - 1M	.200 [5.08]	.126 [3.2]	.050 [1.27]	.024 [.6]	.022 [.56]
CN2512	C	62mW	50V	200ppm	**	22Ω - 1M	.252 [6.4]	.126 [3.2]	.050 [1.27]	.024[.6]	.018 [.45]
CN2512	D	62mW	50V	200ppm	**	22Ω - 1M	.252 [6.4]	.126 [3.2]	.050 [1.27]	.024[.6]	.018 [.45]

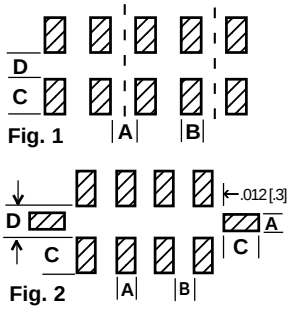
* Rated power is per resistor element at 70°C ** Consult factory for availability

DERATING



SUGGESTED PAD LAYOUT

RCD Type	Fig.	A	B	C	D
CN0606 (4-pin)	1	.016 [.4]	.016 [.4]	.032 [.8]	.036 [.9]
CN0804 (8-pin)	1	.012 [.3]	.008 [.2]	.024 [.6]	.020 [.5]
CN1206 (8-pin)	1	.016 [.4]	.016 [.4]	.032 [.8]	.036 [.9]
CN1608 (10-pin)	2	.016 [.4]	.016 [.4]	.040 [1]	.040 [1]
CN2012 (8-pin)	1	.034 [.87]	.016 [.4]	.040 [1]	.080 [2]
CN2512 (10-pin)	1	.031 [.79]	.019 [.48]	.045 [1.1]	.094[2.4]



TYPICAL PERFORMANCE CHARACTERISTICS

Operating Temp. Range	-55°C to +155°C
Short time Overload (2.5X rated W, 5 sec)	±2%+0.1Ω max.
Resistance to Solder Heat (260°C, 10 sec)	±1%+0.1Ω max.
Moisture Res. (90-95% RH, 40°C,100 hrs)	±3%+0.1Ω max.
High Temp. Exposure (125°C, 100 hrs)	±1%+0.1Ω max.
Load Life (1000 hrs at rated W)	±3%+0.1Ω max.
Insulation Resistance	10,000 Megohm
Dielectric Withstanding Voltage	400V

P/N DESIGNATION: CN 1206 A - 102 - J T W

Type (CN, ZN)
Chip Size
Circuit Configuration: A, B, C, D, E
Resis.Code 1%: 3 signif. figures & multiplier,
e.g. 1R00=1Ω, 10R0=10Ω, 1000=100Ω, 1001=1KΩ, etc.
Resis.Code 2%-5%: 2 signif. figures & multiplier,
e.g. 1R0=1Ω, 100=10Ω, 101=100Ω, 102=1KΩ, etc.
Leave blank on ZN zero-ohm jumper arrays (.05Ω max)
Tolerance Code: J=5%(std), G=2%, F=1%
Leave blank on ZN zero-ohm jumper arrays
Packaging: B = Bulk, T = Tape & Reel
Termination: W= Lead-free (standard), Q= Tin/Lead
(leave blank if either is acceptable)

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