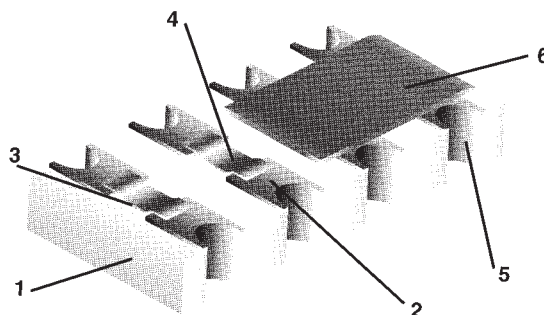


THICK FILM R-NETWORK

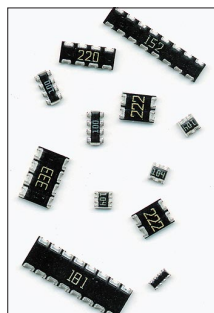
CONCAVE TERMINATIONS

CN



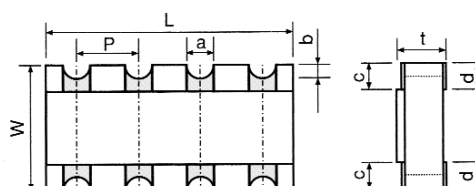
STRUCTURE

- 1 Ceramic substrate
- 2 Ag / Pd
- 3 Ru O₂
- 4 Glass
- 5 Ni / Solder plating
- 6 Epoxy overcoating



IDENTIFICATION

TYPE	COATING COLOR	MARKING
CN	Black	White, 3 digits



TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	CN	2A	4	J		TE	100R	
New Part No.	CN	2A	4		L	TE	101	J
	PRODUCT CODE	STYLE	NO. OF RESISTORS	TOLERANCE	TERMINATION SURFACE MATERIAL T: Sn L: Sn/Pb	TAPING*	NOMINAL RESISTANCE F: 4 digits G, J: 3 digits	TOLERANCE

*Please see "PACKAGING"

DIMENSIONS (mm)

SIZE	TYPE	L ±0.2	W ±0.2	c	d ±0.1	t	a (top)	a (bottom)	b ±0.1	P (ref.)
0606 (2 x 0603)	CN 1J 2	1.6								
1206 (4 x 0603)	CN 1J 4	3.2	1.6	0.3 ± 0.2	0.40		0.5 ± 0.1	0.4 ± 0.15		(0.80)
2506 (8 x 0603)	CN 1J 8	6.4								
1008 (2 x 0805)	CN 2A 2	2.54								
2008 (4 x 0805)	CN 2A 4	5.08	2.0	0.4 ± 0.2		0.6 ± 0.1			0.15	
4008 (8 x 0805)	CN 2A 8	10.16								
1012 (2 x 1206)	CN 2B 2	2.54			0.55		0.8 ± 0.1	0.75 ± 0.15		(1.27)
2012 (4 x 1206)	CN 2B 4	5.08	3.2	0.5 ± 0.3						
4012 (8 x 1205)	CN 2B 8	10.16								

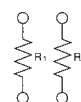
Specifications given herein may be changed at any time without prior notice.
Please confirm technical specifications before you order and/or use.

FEATURES

- 2, 4 or 8 isolated resistor elements included in one array
- Less board space than individual chip resistors
- High cost reduction efficiency by eliminating mounter operations
- High self-alignment effect in reflow soldering process
- Suitable for image recognition systems due to square corner design
- Rated ambient temperature: + 70° C
- Operating temperature range: - 55° C ... + 125° C
- Suitable for reflow and wave soldering

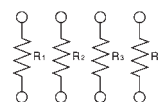
CIRCUIT CONSTRUCTION

CN1J2
CN2A2
CN2B2



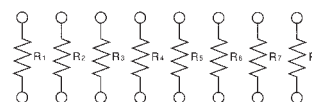
$$R_1 = R_2$$

CN1J4
CN2A4
CN2B4



$$R_1 = R_2 = R_3 = R_4$$

CN1J8
CN2A8
CN2B8



$$R_1 = R_2 = R_3 = R_4 = R_5 = R_6 = R_7 = R_8$$

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING (per element)	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE		
						F (±1%)* E24 • E96	G (±2%) E24	J (±5%) E24
2, 4, 8 x 0603	CN 1J		0.063 W	50 V	100 V			
2, 4, 8 x 0805	CN 2A	± 200	0.1 W	100 V	200 V	10 Ω ... 1 MΩ*	10 Ω ... 1 MΩ	10 Ω ... 1 MΩ
2, 4, 8 x 1206	CN 2B		0.125 W	200 V	400 V			

* Tolerance F (±1%) not available for CN2A8 and CN2B8