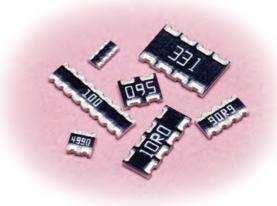




anti sulfuration chip networks (concave termination)

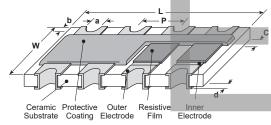


features



- Excellent anti-sulfuration characteristic due to using high sulfuration-proof inner top electrode material
- More advancement in the mounting density than individual chip resistors
- Mounting cost reduction by decreasing the number of parts mounting times
- Higher self-alignment effect in reflow-soldering process
- Suitable for an image recognition mounter due to square corner design
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

dimensions and construction



Ту	200				Dimensi	ons in	ches (m	m)			Weight
ıy	þe	L±0.2	W±0.2	С	d±0.1	t±0.1	a (top)	a (bottom)	b±0.1	Р	(g)
CN1. (060		0.126 (3.2)	0.06 (1.6)	.01±.008 (0.3±0.2)	0.016 (0.4)			.016±.006 (0.4±0.15)		0.031 (0.8)	10.2
CN2/ (080		0.2	0.08 (2.0)	.016±.008 (0.4±0.2)	0.022	0.024	.03±.004		0.006 (0.15)	0.05	20.6
CN2E (120		(5.08)	0.126 (3.2)	.02±.01 (0.5±0.3)	(0.55)		(0.8±0.1)	(0.75±0.15)		(1.27)	33.5

ordering information

CN	
Type	
Туре	
CN	
CNZ	

1J						
Size						
1J						
2A						
2B						

4
Number of Resistors
4

RT					
Townsi	notion				
Termination Material					
RT	: Sn				

_	
	Packaging
Ī	TD: 7" paper
	TE: 7"plastic
	embossed

TD

103
Nominal Resistance
2 significant
figures + 1 multiplier

J					
Tolerance					
J: ±5%					

For further information on packaging, please refer to Appendix A.





anti sulfuration chip networks (concave termination)

circuit schematic

CN2B4RT

jumper ratings

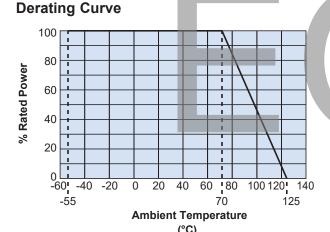
Туре	Resistance	Current Rating	Max. Surge Current		
CNZ1J4RT		0.5A	2A		
CNZ2A4RT	50m $Ω$ max.	1.0A	3A		
CNZ2B4RT		1.04	4A		

applications and ratings

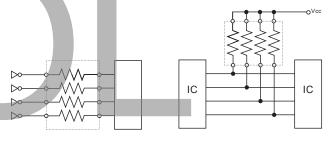
D	Part esignation	Power Rating (per Element)	T.C.R. (x10 ⁻⁶ /K)	Resistance Range (Ω) J:±5% E24	Absolute Maximum Working Voltage	Maximum Overload Voltage	Rated Working Temperature	Operating Temperature Range	Taping & Q (po	
(CN1J4RT	0.063			50V	100V			5,000	_
(CN2A4RT	0.1	±200	10~1M	100V	200V	+70°C	-55°C to +125°C	_	4,000
(CN2B4RT	0.125			200V	400V			_	4,000

^{*} Note that network resistors generate higher heat rather than single flat chip resistors even under rated power output

environmental applications







For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

Performance Characteristics

	Requirement 2	Δ R ±(%+0.1Ω)					
Parameter	Limit	Typical	Test Method				
Resistance	Within specified tolerance	_	25°C				
T.C.R.	Within specified T.C.R.	_	+25°C/-55°C and +25°C/+125°C				
Overload (Short time)	±2.0%	±0.50%	Rated voltage x 2.5 for 5 seconds				
Resistance to Solder Heat	±1.0%	±0.25%	260°C ± 5°C, 10 seconds ± 1 second				
Rapid Change of Temperature	±1.0%	±0.50%	-55°C (30 minutes) / +125°C (30 minutes), 5 cycles				
Moisture Resistance	±5.0%	±1.0%	40°C ± 2°C, 90-95% RH, 1000 hours, 1.5 hr ON / 0.5 hr OFF cycle				
Endurance at 70°C	±5.0%	±0.50%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle				
High Temperature Exposure	±1.0%	±0.20%	+125°C, 1000 hours				
Sulfuration Test	±5.0%	_	Soaked in industrial oil with 3.5% sulfur concentration 105°C ± 3°C, 500 hours				

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

12/01/17