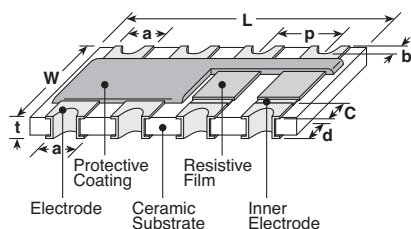


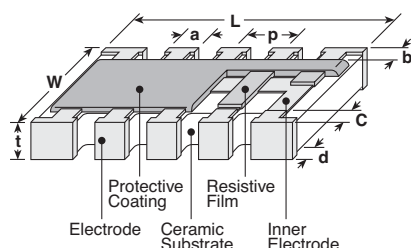
## features

- Manufactured to type RK73Z standards
- Concave or convex terminations
- Less board space than individual chip
- Isolated jumper elements
- Marking: Concave and CNZ1F8K type has green body with no marking  
Convex type has black body with white "000"
- 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.

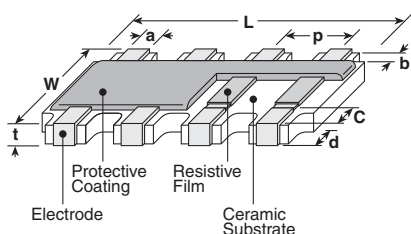
## dimensions and construction



**CN Concave/ Square Corner**



**CN\_K/N Concave/ Square Corner**



**CN\_A Convex/Scalloped Corner**

| Size Code | Dimensions inches (mm)  |                        |                        |                          |                         |                        |                         |                          |                |
|-----------|-------------------------|------------------------|------------------------|--------------------------|-------------------------|------------------------|-------------------------|--------------------------|----------------|
|           | L                       | W                      | C                      | d                        | t                       | a (top)                | a (bot.)                | b                        | p (ref.)       |
| CNZ1E2    | .039±.004<br>(1.0±0.1)  | .039±.004<br>(1.0±0.1) | .008±.004<br>(0.2±0.1) | .010±.004<br>(0.25±0.1)  | .014±.004<br>(0.35±0.1) | .012±.004<br>(0.3±0.1) | .012±.004<br>(0.3±0.1)  | .003±.002<br>(0.07±0.05) | .020<br>(0.5)  |
| CNZ1E4    | .079±.004<br>(2.0±0.1)  |                        |                        |                          | .018±.004<br>(0.45±0.1) |                        |                         |                          |                |
| CNZ1J2    | .063±.006<br>(1.6±0.15) |                        |                        |                          |                         |                        |                         |                          |                |
| CNZ1J4    | .126±.008<br>(3.2±0.2)  | .063±.004<br>(1.6±0.1) | .012±.008<br>(0.3±0.2) | .016±.006<br>(0.4±0.15)  |                         | .020±.004<br>(0.5±0.1) | .016±.006<br>(0.4±0.15) |                          | .031<br>(0.8)  |
| CNZ1J8    | .252±.008<br>(6.4±0.2)  |                        |                        |                          |                         |                        |                         |                          |                |
| CNZ2A2    | .100±.008<br>(2.54±0.2) | .079±.008<br>(2.0±0.2) | .016±.008<br>(0.4±0.2) |                          | .024±.004<br>(0.6±0.1)  |                        |                         | .006±.004<br>(0.15±0.1)  |                |
| CNZ2A4    | .200±.008<br>(5.08±0.2) |                        |                        |                          |                         |                        |                         |                          |                |
| CNZ2B2    | .100±.008<br>(2.54±0.2) | .126±.008<br>(3.2±0.2) | .020±.012<br>(0.5±0.3) | .022±.006<br>(0.55±0.15) |                         | .031<br>(0.8)          | .031<br>(0.8)           |                          | .050<br>(1.27) |
| CNZ2B4    | .200±.008<br>(5.08±0.2) |                        |                        |                          |                         |                        |                         |                          |                |

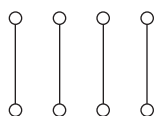
| Size Code | Dimensions inches (mm)  |                         |                         |                          |                         |                         |                          |                |
|-----------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|----------------|
|           | L                       | W                       | C                       | d                        | t                       | a (ref.)                | b (ref.)                 | p (ref.)       |
| CNZ1H2N   | .031±.004<br>(0.8±0.1)  | .024±.004<br>(0.6±0.1)  | .006±.004<br>(0.15±0.1) | .006 max.<br>(0.15±0.1)  | .014±.004<br>(0.35±0.1) | .014±.004<br>(0.3±0.1)  | —                        | .020<br>(0.5)  |
| CNZ1H4N   | .055±.004<br>(1.4±0.1)  | .024±.003<br>(0.6±0.08) | .004±.003<br>(0.1±0.08) | .008±.003<br>(0.2±0.08)  |                         | .008±.004<br>(0.2±0.1)  | —                        | .016<br>(0.4)  |
| CNZ1E2K   | .039±.004<br>(1.0±0.1)  | .039±.004<br>(1.0±0.1)  | .006±.004<br>(0.15±0.1) | .010 max.<br>(0.25±0.1)  |                         | .013±.004<br>(0.33±0.1) | .007±.002<br>(0.17±0.05) | .026<br>(0.65) |
| CNZ1E4K   | .079±.004<br>(2.0±0.1)  | .039±.004<br>(1.0±0.1)  | .006±.008<br>(0.15±0.2) | .010 max.<br>(0.25±0.2)  |                         | .008±.006<br>(0.3±0.15) | .006±.004<br>(0.15±0.1)  | .020<br>(0.5)  |
| CNZ1J2K   | .063±.006<br>(1.6±0.15) | .063±.006<br>(1.6±0.15) | .012±.008<br>(0.3±0.2)  | .016±.004<br>(0.25±0.1)  | .020±.004<br>(0.5±0.1)  | .024±.006<br>(0.6±0.15) | .014±.004<br>(0.3±0.1)   | .031<br>(0.8)  |
| CNZ1J4A   | .126±.006<br>(3.2±0.15) |                         |                         |                          |                         | .020±.006<br>(0.5±0.15) |                          |                |
| CNZ1J4K   | .126±.006<br>(3.2±0.15) |                         |                         |                          |                         | .020±.006<br>(0.5±0.15) |                          |                |
| CNZ2B4A   | .201±.008<br>(5.1±0.2)  | .122±.008<br>(3.1±0.2)  | .020±.008<br>(0.5±0.2)  | .014±.006<br>(0.35±0.15) | .022±.004<br>(0.55±0.1) | .031±.008<br>(0.8±0.2)  | .018±.006<br>(0.45±0.1)  | .050<br>(1.27) |
| CNZ1F8K   | .200±.008<br>(3.8±0.1)  | .063±.004<br>(1.6±0.1)  | .012±.004<br>(0.3±0.1)  | .012±.004<br>(0.3±0.1)   | .018±.006<br>(0.45±0.1) | .014±.004<br>(0.3±0.1)  | .006<br>(0.15)           | .020<br>(0.5)  |

## ordering information

| New Part # | CNZ  | 1J                               | 4           | A                                                                           | T                                                                                        | TD                                                                  |
|------------|------|----------------------------------|-------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|            | Type | Size                             | Elements    | Terminal Style                                                              | Termination Material                                                                     | Packaging                                                           |
|            |      | 1H<br>1E<br>1F<br>1J<br>2A<br>2B | 2<br>4<br>8 | Blank: Concave<br>A: Convex/scalloped<br>K: Convex/square<br>N: Flat/square | T: Sn<br>(Other termination styles may be available, please contact factory for options) | TD: 7" paper tape<br>TE: 7" embossed plastic<br>TDD: 10" paper tape |

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

## circuit schematic

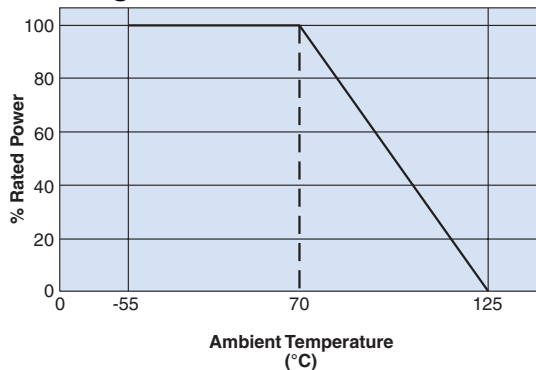


## applications and ratings

| Part Designation       | Current Rating @ 70°C (Per Element) | Maximum Surge Current | Maximum Resistance | Operating Temperature Range |
|------------------------|-------------------------------------|-----------------------|--------------------|-----------------------------|
| CNZ1H2N                | 0.5 Amps                            | 2.0 Amps              | 50mΩ               | -55°C to +125°C             |
| CNZ1H4N                |                                     |                       |                    |                             |
| CNZ1E2                 |                                     |                       |                    |                             |
| CNZ1E4                 |                                     |                       |                    |                             |
| CNZ1E2K                |                                     |                       |                    |                             |
| CNZ1E4K                |                                     |                       |                    |                             |
| CNZ1J2/CNZ1J2K         |                                     |                       |                    |                             |
| CNZ1J4/CNZ1J4A/CNZ1J4K |                                     |                       |                    |                             |
| CNZ1J8                 | 1.0 Amps                            | 2.0 Amps              | 50mΩ               | -55°C to +125°C             |
| CNZ2A2                 |                                     |                       |                    |                             |
| CNZ2A4                 |                                     |                       |                    |                             |
| CNZ2B2                 |                                     |                       |                    |                             |
| CNZ2B4/CNZ2B4A         |                                     |                       |                    |                             |
| CNZ1F8K                |                                     |                       |                    |                             |

## environmental applications

### Derating Curve



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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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