

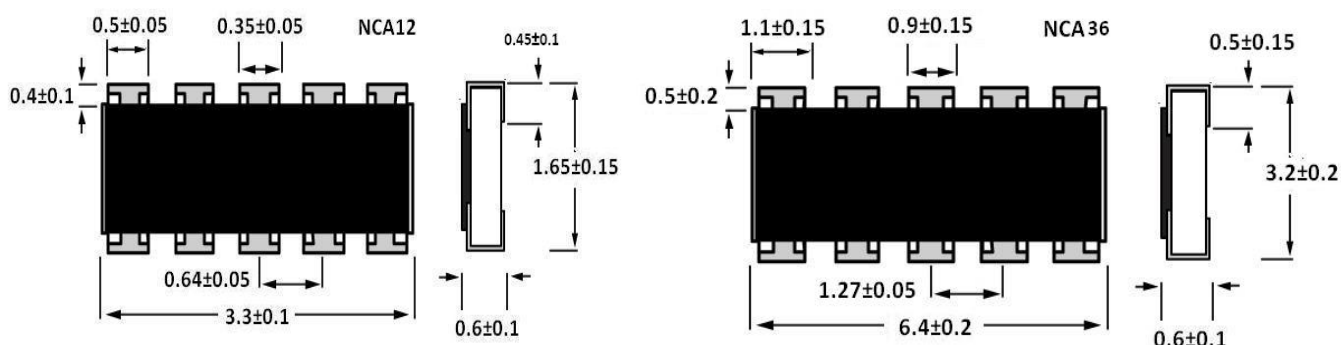


# NCA12-T, NCA36-S/T 10 PIN/ 8R CHIP RESISTOR NETWORKS

## Applications

Telecommunication Equipment  
Lap-Top and Note-Book Computer

## Dimensions

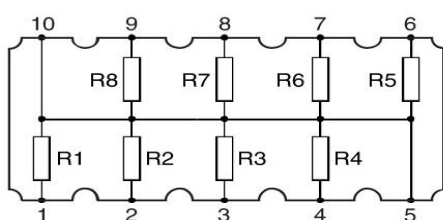


## Internal Circuit

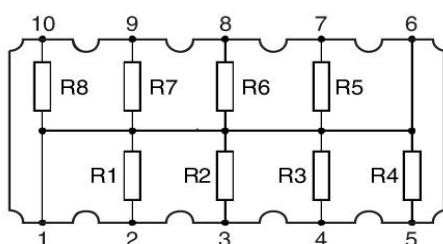
TYPE

### Circuit Diagram

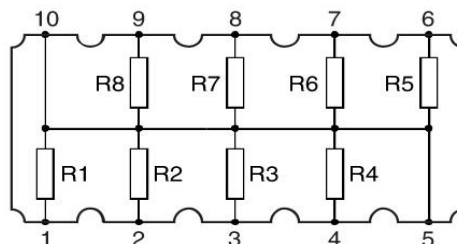
NCA12 T



NCA36 S



T



## Characteristics

| Item                 | NCA12                         | NCA36 |
|----------------------|-------------------------------|-------|
| Power Rating         | 1/32W                         | 1/16W |
| Max Working Voltage  | 25V                           | 50V   |
| Resistance Tolerance | ± 5%(J)                       |       |
| Resistance Range     | E-24 series (33 ohm~100K ohm) |       |
| T.C.R.               | ±200 ppm                      |       |
| Number of Resistors  | 8                             |       |
| Operating Temp Range | -55°C~ + 155°C                |       |



## Specifications

| Requirements         | Characteristics          | Test Method                                                                      |
|----------------------|--------------------------|----------------------------------------------------------------------------------|
| Short time Over-load | $\pm (2\% + 0.05\Omega)$ | Rated Voltage x 2.5, 5 seconds                                                   |
| Soldering Heat       | $\pm (1\% + 0.05\Omega)$ | $260 \pm 5^\circ\text{C}$ , $10 \pm 1$ seconds                                   |
| Temperature Cycling  | $\pm (1\% + 0.05\Omega)$ | $-55^\circ\text{C}(30\text{min})/+125^\circ\text{C}(30\text{min})$ 5 Cycles      |
| Moisture Load-life   | $\pm (2\% + 0.05\Omega)$ | Rated Voltage, $40^\circ \pm 2^\circ\text{C}$ , 90~95%RH, $1000_{-0}^{+48}$ Hrs. |
| Load-life            | $\pm (3\% + 0.1\Omega)$  | Rated Voltage, $70^\circ \pm 3^\circ\text{C}$ , $1000_{-0}^{+48}$ Hrs.           |

## Packing

|             | NCA12             | NCA36              |
|-------------|-------------------|--------------------|
| Tape & Reel | Paper 5,000       | Plastic 4,000      |
| Tape Width  | $8.0 \pm 0.1$ m/m | $12.0 \pm 0.1$ m/m |
| Bulk Pack   | 1,000             | 1,000              |

## Parts Number System

| NCA36 | S       | 103                                                                           | J                  | K                                                    |
|-------|---------|-------------------------------------------------------------------------------|--------------------|------------------------------------------------------|
| Type  | Circuit | Resistance                                                                    | Tolerance          | Packaging codes                                      |
|       |         | Tol. 5%: 3-digit Code<br>103=10K OHM<br>Tol. 1%: 4-digit Code<br>1002=10K OHM | J= 5%<br><br>F= 1% | R=Paper tape reel<br>K=Embossed plastic<br>tape reel |

