



NCA 04-4, 04-2

NCB 04-4, 04-2

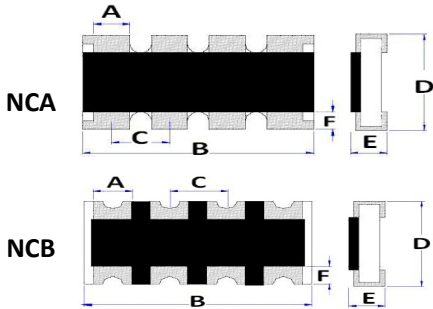
**THICK FILM CHIP RESISTOR ARRAY
(CONVEX AND / CONCAVE TYPE)**

Applications

Telecommunication Equipment

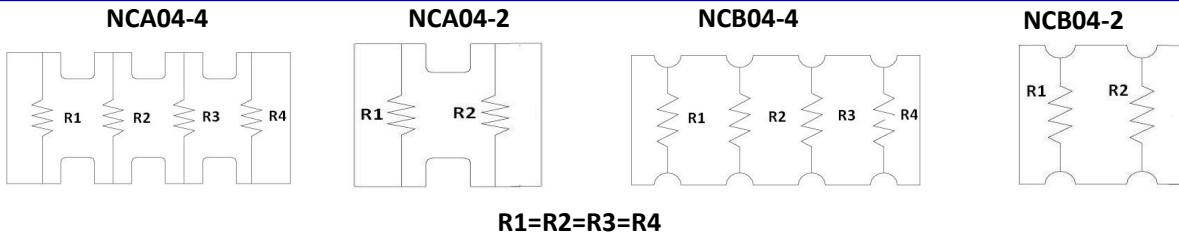
Lap-Top and Note-Book Computer

Dimensions



| Type | Number of Resistors | (Unit:PCS) | | | | | |
|---------------------|---------------------|------------|------|------|-------|------|------|
| | | A | B | C | D | E | F |
| NCA-04 (Convex) | 4 | ±0.1 | ±0.2 | ±0.1 | ±0.15 | ±0.1 | ±0.1 |
| | 2 | 0.22 | 1.0 | 0.67 | 1.0 | 0.33 | 0.15 |
| NCB-04 (Concave) | 4 | 0.3 | 2.0 | 0.5 | 1.0 | 0.45 | 0.2 |
| | 2 | 0.22 | 1.0 | 0.67 | 1.0 | 0.33 | 0.15 |

Internal Circuit



Characteristics

| ITEM | NCA04-4 | NCA04-2 | NCB04-4 | NCB04-2 | Jumper |
|-----------------------|-----------------------------|---------|---------|---------|--------|
| Power Rating | 1/16W | | | | 1A |
| Max Working Voltage | 25V | | | | |
| Max Overload Voltage | 50V | | | | |
| Resistance Tolerance | ± 5%(J), ± 1%(F) | | | | |
| Resistance Range | E-24 series (10 ohm~1M ohm) | | | | |
| T.C.R. | ±200 ppm/°C | | | | |
| Number of Resistors | 2,4 | | | | |
| Operating Temp. Range | -55°C~ + 155°C | | | | |

Specifications

| Requirements | Characteristics | Test Method |
|----------------------|-----------------|--|
| Short time Over-load | ± (2% +0.05Ω) | 50V or 2.5√PxR whichever is lower |
| Soldering Heat | ± (1% +0.05Ω) | 260±5°C, 10 ± 1 seconds |
| Temperature Cycling | ± (1% +0.05Ω) | -55°C(30min)/+125°C(30min) 5 Cycles |
| Moisture Load-life | ± (2% +0.05Ω) | Rated Voltage, 40° ±2°C, 90~95%RH, 1000 ⁺⁴⁸ ₀ Hrs. |
| Load-life | ± (3% +0.1Ω) | Rated Voltage, 70° ±3°C, 1000 ⁺⁴⁸ ₀ Hrs. |

Parts Number System

| | | | | |
|-------|-----------------|---|----------------|-------------------------------------|
| NCA04 | 2 | 103 | J | R |
| Type | No. of Resistor | Resistance | Tolerance | Packaging codes |
| | | Tol. 5%: 3-digit Code 103=10K OHM Tol. 1%: 4-digit Code 1002=10K OHM | J= 5% F= 1% | R-Paper tape reel 10000 pcs/reel |

