



NCA 04-4, 04-2

NCB 04-4, 04-2

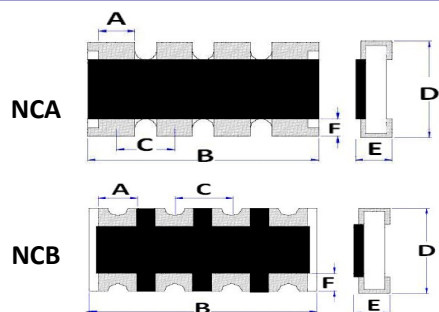
THICK FILM CHIP RESISTOR ARRAY
(CONVEX AND / CONCAVE TYPE)

Applications

Telecommunication Equipment

Lap-Top and Note-Book Computer

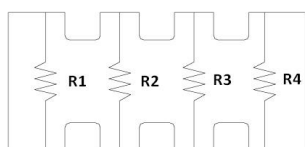
Dimensions



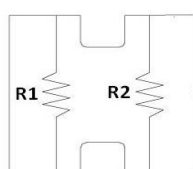
(Unit:PCS)							
Type	Number of Resistors	A ±0.1	B ±0.2	C ±0.1	D ±0.15	E ±0.1	F ±0.1
NCA-04 (Convex)	4	0.3	2.0	0.5	1.0	0.45	0.2
	2	0.22	1.0	0.67	1.0	0.33	0.15
NCB-04 (Concave)	4	0.3	2.0	0.5	1.0	0.45	0.2
	2	0.22	1.0	0.67	1.0	0.33	0.15

Internal Circuit

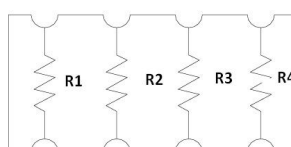
NCA04-4



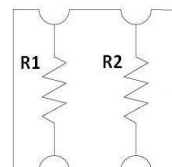
NCA04-2



NCB04-4



NCB04-2



R1=R2=R3=R4

Characteristics

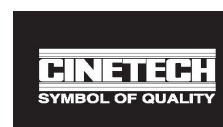
Item	NCA04-4	NCA04-2	NCB04-4	NCB04-2
Power Rating	1/16W		1/16W	
Max Working Voltage	25V		25V	
Resistance Tolerance	±5%(J), ±1%(F)		±5%(J), ±1%(F)	
Resistance Range	E-24 series (10 ohm~1M ohm)		E-24 series (10 ohm~1M ohm)	
T.C.R.	±200ppm/°C		±200ppm/°C	
Number of Resistors	4	2	4	2
Operating Temp. Range	-55°C~+125°C			
Rating Temperature	+70°C		+70°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

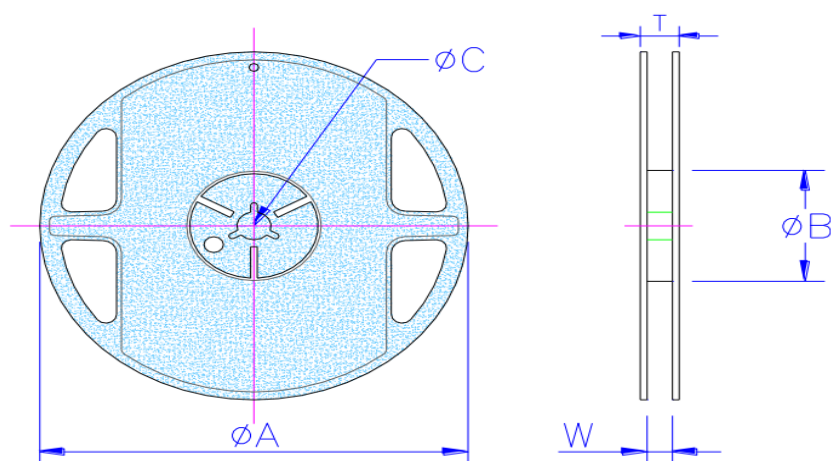


Packaging

Reel Specifications & Package Quantity

Unit: mm

Type	Packaging quantity	Tape width	Reel Diameter	ΦA	ΦC	ΦC	W	T
NCA-04-4	Paper	10K	8mm	7 inch	178.5±1.5	60 ^{+1/-0}	13.0±0.2	9.0±0.5
NCA-04-2		20K	8mm	10 inch	254±1.0	100 ^{+1/-0}	13.0±0.2	9.5±0.5
NCB-04-4		40K	8mm	13 inch	330±1.0	100 ^{+1/-0}	13.0±0.2	9.5±0.5
NCA16-4	Paper	5K	8mm	7 inch	178.5±1.5	60 ^{+1/-0}	13.0±0.2	9.0±0.5
NCB16-4		50K	8mm	10 inch	254±1.0	100 ^{+1/-0}	13.0±0.2	9.5±0.5
NCB16-4		20K	8mm	13 inch	330±1.0	100 ^{+1/-0}	13.0±0.2	9.5±0.5



Paper Tape Specifications

Unit: mm

Type	A	B	W	E	F	P ₀	P ₁	P ₂	ΦD_0	T
NCA-04	1.20±0.10	2.2±0.10	8.0±0.20	1.75±0.10	3.5±0.05	4.0±0.10	2.0±0.05	2.0±0.050	1.50+0.1,-0	0.70±0.10
NCB-04	1.20±0.10	2.2±0.10	8.0±0.20	1.75±0.10	3.5±0.05	4.0±0.10	2.0±0.05	2.0±0.050	1.50+0.1,-0	0.70±0.10
NCA16-4	1.95±0.10	3.5±0.10	8.0±0.20	1.75±0.10	3.5±0.05	4.0±0.10	4.0±0.05	2.0±0.050	1.50+0.1,-0	0.85±0.10
NCB16-4	1.95±0.10	3.5±0.10	8.0±0.20	1.75±0.10	3.5±0.05	4.0±0.10	4.0±0.05	2.0±0.050	1.50+0.1,-0	0.85±0.10

