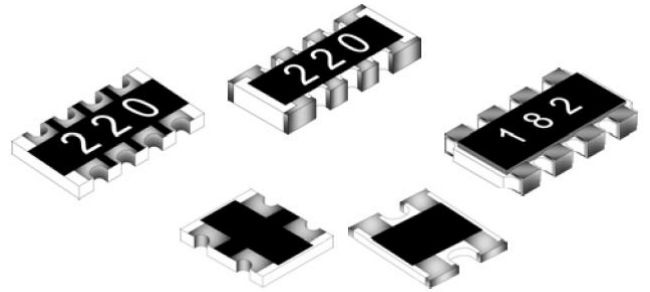


FCNA series Thick Film Chip Resistor Array Automotive

◆ Features

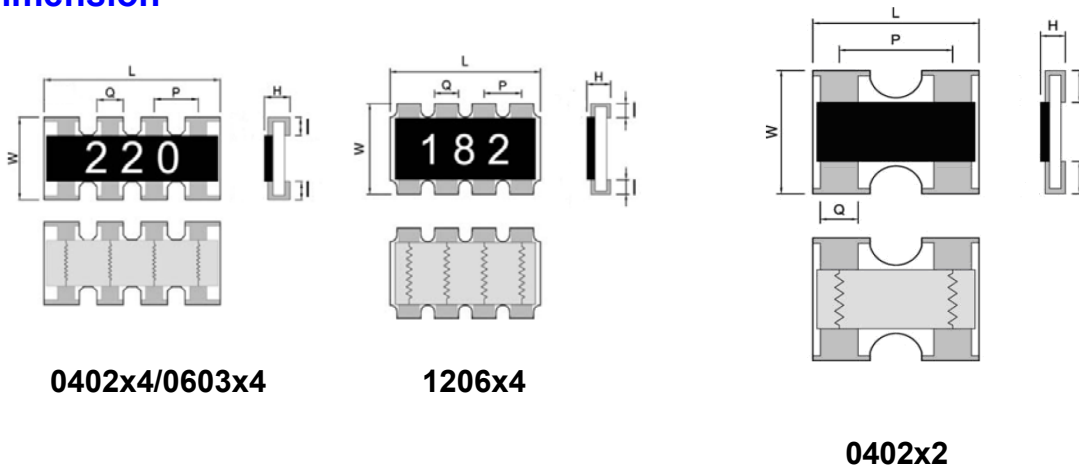
- » Small size and light weight
- » Reliability, high quality
- » CCD visual quality inspection
- » AEC-Q200 Compliance



◆ Applications

- » Automotive electronics
- » Navigation equipment, TPMS
- » Heating, Ventilating and Air conditioning
- » Indoor lighting, Central door locking, Wiper module

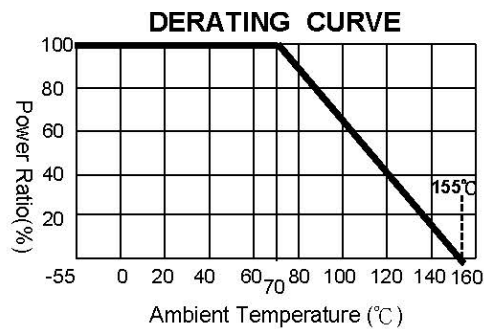
◆ Dimension



Unit: mm

TYPE	L	W	H	I1	I2	P	Q	Q1
FCNA122R	1.00±0.10	1.00±0.10	0.33±0.05	0.15±0.10	0.25±0.10	0.67±0.10	0.34±0.10	---
FCNA124R	2.00±0.10	1.00±0.10	0.40±0.10	0.20±0.10	0.20±0.10	0.50±0.10	0.30±0.10	0.43±0.10
FCNA164R	3.20±0.20	1.60±0.15	0.50±0.10	0.30±0.20	0.30±0.20	0.80±0.20	0.50±0.15	0.61±0.10
FCNA324R	5.10±0.20	3.10±0.20	0.55±0.15	0.55±0.15	0.55±0.15	1.30±0.20	0.90±0.10	---

◆ Power Derating Curve



Power rating or current rating is in the case based on continuous full-load at ambient temperature of 70°C. For operation at ambient temperature in excess of 70°C, the load should be derated in accordance with figure of derating Curve.

■ Voltage Rating or Current Rating

Resistance Range: $\geq 1\Omega$

Rated Voltage: The resistor shall have a DC continuous working voltage or a RMS AC continuous working voltage at commercial-line frequency and wave form corresponding to the power rating, as determined formula as following:

$$E(RCWV) = \sqrt{P \times R}$$

E=Rated voltage(V)

P=Power rating(W)

R=Nominal resistance(Ω)

◆ Rating

» Convex

TYPE	Power Rating At 70°C (W)	Max Working Voltage	Max Overload Voltage	TCR (ppm/°C) Lower available	Resistance Range	
					1%	5%
FCNA122R	1/16 W (0.063W)	25V	50V	±400	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$
				±200	$10\Omega \leq R \leq 1M\Omega$	$10\Omega \leq R \leq 1M\Omega$
FCNA124R	1/16 W (0.063W)	25V	50V	±400	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$
				±200	$10\Omega \leq R \leq 1M\Omega$	$10\Omega \leq R \leq 1M\Omega$
FCNA164R	1/10 W (0.1W)	50V	100V	±400	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$
				±200	$10\Omega \leq R \leq 1M\Omega$	$10\Omega \leq R \leq 1M\Omega$
FCNA324R	1/4 W (0.25W)	200V	400V	±400	$1\Omega \leq R < 10\Omega$	$1\Omega \leq R < 10\Omega$
				±200	$10\Omega \leq R \leq 1M\Omega$	$10\Omega \leq R \leq 1M\Omega$

TYPE	FCNA122R	FCNA124R	FCNA164R	FCNA324R
Jumper Rated Current	1A			2A

◆ Part Number

FCNA	164	R	J	10R
Type	Size	Terminal Type	Tolerance	R VALUE
FCNA	122=0402x2 (4P2R)	R=convex	J=5%	10Ω =10R
	124=0402x4 (8P4R)		F=1%	
	164=0603x4 (8P4R)			
	324=1206x4 (8P4R)			

» Standard Package Q'ty for each size is as following.

TYPE	Standard Package Q'ty
FCNA122R	10K per reel (7")
FCNA124R	10K per reel (7")
FCNA164R	5K per reel (7")
FCNA324R	5K per reel (7")