

Thick Film Chip Resistor Arrays - Convex Terminal

Performance Specification

Short Time Overload	$\pm(2.0\% + 0.1\Omega)\text{Max}$
Terminal Bending	$\pm(1.0\% + 0.05\Omega)\text{Max}$
Soldering Heat	$\pm(1.0\% + 0.05\Omega)\text{Max}$
Insulation Resistance	Min. 1,000 Mega Ohm
Solderability	Min. 95% coverage.
Temperature Cycling	$\pm(1.0\% + 0.05\Omega)\text{Max}$
Load Life in Humidity	$\pm(3.0\% + 0.1\Omega)\text{Max}$
Load Life	$\pm(3.0\% + 0.1\Omega)\text{Max}$
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.

Ordering Procedure: Ex.: RMC 1/16W (2D02), +/-1%, 10Ω, T/R5000

2 D 0 2 W G F 1 0 0 J T C E

Resistor Size:

2D02, 4D02, 4D03,
10P8, 16P8

Wattage:

WG = 1/16W
WH = 1/32W

Tolerance:

F = $\pm 1\%$
J = $\pm 5\%$

Resistance Value:

- E-24 series:
1st digit is "0"
2nd & 3rd digits are significant figures of the resistance
4th indicates the number of zeros
- E-96 series:
1st to 3rd digits are significant figures of the resistance
4th digit indicates the number of zeros.
"J" ~ 0.1, "K" ~ 0.01, "L" ~ 0.001
Ex. 2Ω26~ 266K, 266Ω~2260

Packing Type:

T = Tape/Reel

Packing Qty:

4 = 4,000 pcs.
5 = 5,000 pcs.
C = 10,000 pcs.

Special Feature:

E = Lead (Pb) Free Plating Type/
RoHS compliant

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Features

- High density 2,4,8 resistors in one small case (convex type)
- Improvement of placement efficiency
- Packaging is suitable for automatic placement machines
- Superior solderability
- Scalloped



Standard : 2% ,5% ,10% -- E - 24 series
1% -- E - 96 series

Mechanical Specification

	2D02	4D02	4D03	16P8	10P8
Dimension (mm)					
Equivalent Circuit Diagram					

Type	Style	L	W	H	l ₁	l ₂	P	Q
2D02 (0402x2)	2D02 (4Pin 2R)	1.00±0.10	1.00±0.10	0.35±0.10	0.17±0.10	0.25±0.10	0.65±0.05	0.33±0.10
4D02 (0402x4)	4D02 (8Pin 4R)	2.00±0.10	1.00±0.10	0.45±0.10	0.20±0.15	0.30±0.15	0.50±0.05	0.30±0.05
4D03 (0603x4)	4D03 (8Pin 4R)	3.20±0.20	1.60±0.20	0.50±0.10	0.30±0.15	0.40±0.15	0.80±0.10	0.50±0.15
16P8	16P8 (16Pin 8R)	4.00±0.20	1.60±0.15	0.45±0.10	0.30±0.15	0.40±0.10	0.50±0.05	0.30±0.05
10P8	10P8 (10Pin 8R)	3.20±0.20	1.60±0.15	0.55±0.10	0.40±0.10	0.30±0.10	0.64±0.05	0.35±0.05

Type	Style	Power Rating at 70°C	Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage	T.C.R. PPM/°C	Resistance Range		Jumper Rated Current
							F(±1%)	J(±5%)	
2D02 (0402x2)	2D02 (4Pin 2R)	1/16W	50V	100V	100V	±200	10Ω ~ 1MΩ	10Ω ~ 1MΩ	1A
4D02 (0402x4)	4D02 (8Pin 4R)	1/16W	50V	100V	100V	±200	10Ω ~ 1MΩ	10Ω ~ 1MΩ	1A
4D03 (0603x4)	4D03 (8Pin 4R)	1/16W	50V	100V	300V	<10Ω : ±400 ≥10Ω : ±200	10Ω ~ 1MΩ	1Ω ~ 1MΩ	1A
16P8	16P8 (16Pin 8R)	1/16W	50V	100V	300V	<10Ω : ±400 ≥10Ω : ±200	1Ω ~ 1MΩ	1Ω ~ 1MΩ	1A
10P8	10P8 (10Pin 8R)	1/32W	25V	50V	50V	±200	10Ω ~ 1MΩ	10Ω ~ 1MΩ	0.5A

Standard Operating Temp (°C) : -55 ~ +155