

High Frequency Chip Resistors

RFD series

Features

- A resistor that takes advantage of the characteristics of thin films, and supports a wide range of frequencies from DC to 67 GHz.
- Small 0603 size
- Face-down mounting type

Applications

- Low noise high frequency transmission and reception circuit
- High frequency termination circuit
- High frequency attenuation circuit



Part numbering system

RFD 0603 P - 50R0 - D - T1

Series code

Size:0603

TCR P:±25ppm

Packaging quantity:
T5(5,000pcs), T1(1,000pcs)

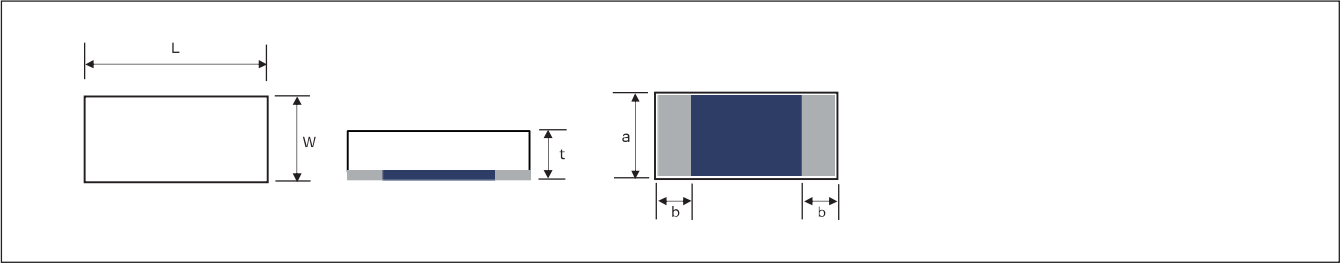
Resistance tolerance D : ±0.5%

Resistance values : 50Ω, 75Ω, 100Ω

Electrical Specification

Type	RFD0603
Impedance	50Ω, 75Ω, 100Ω
Operating frequency	DC~67GHz
rated power	50mW
Rated operating temperature	70℃
Operating temperature	-40℃~+125℃
Packaging quantity	1,000pcs/reel(T1) 5,000pcs/reel(T5) 10,000pcs./reel (T10)

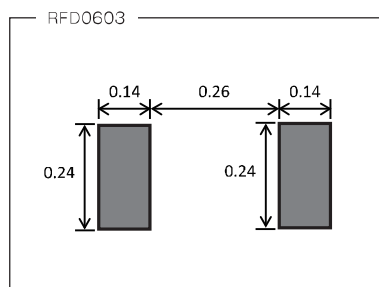
Dimensions



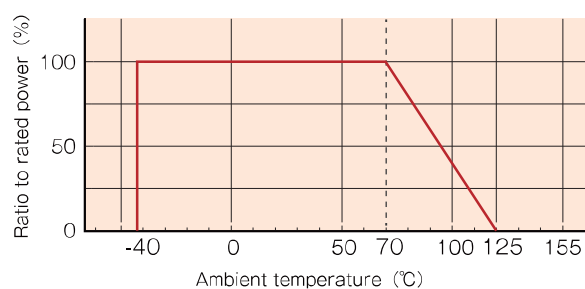
Type (mm)	Size (inch)	L	W	t	a	b
RFD0603	0201	0.60±0.05	0.30±0.05	0.22±0.05	0.24±0.05	0.14±0.05

(unit : mm)

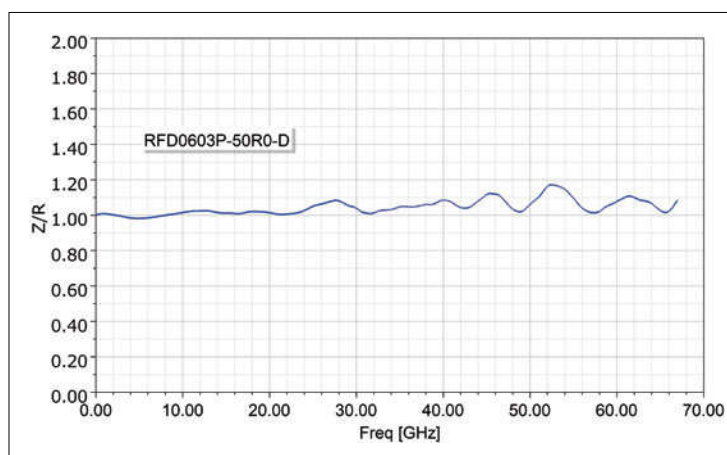
◆ Recommended land patterns(soldering footprints)



◆ Derating Curve



◆ High frequency characteristics



Mouser Electronics

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[RFD0603P-1000-D-T10](#) [RFD0603P-75R0-D-T10](#)