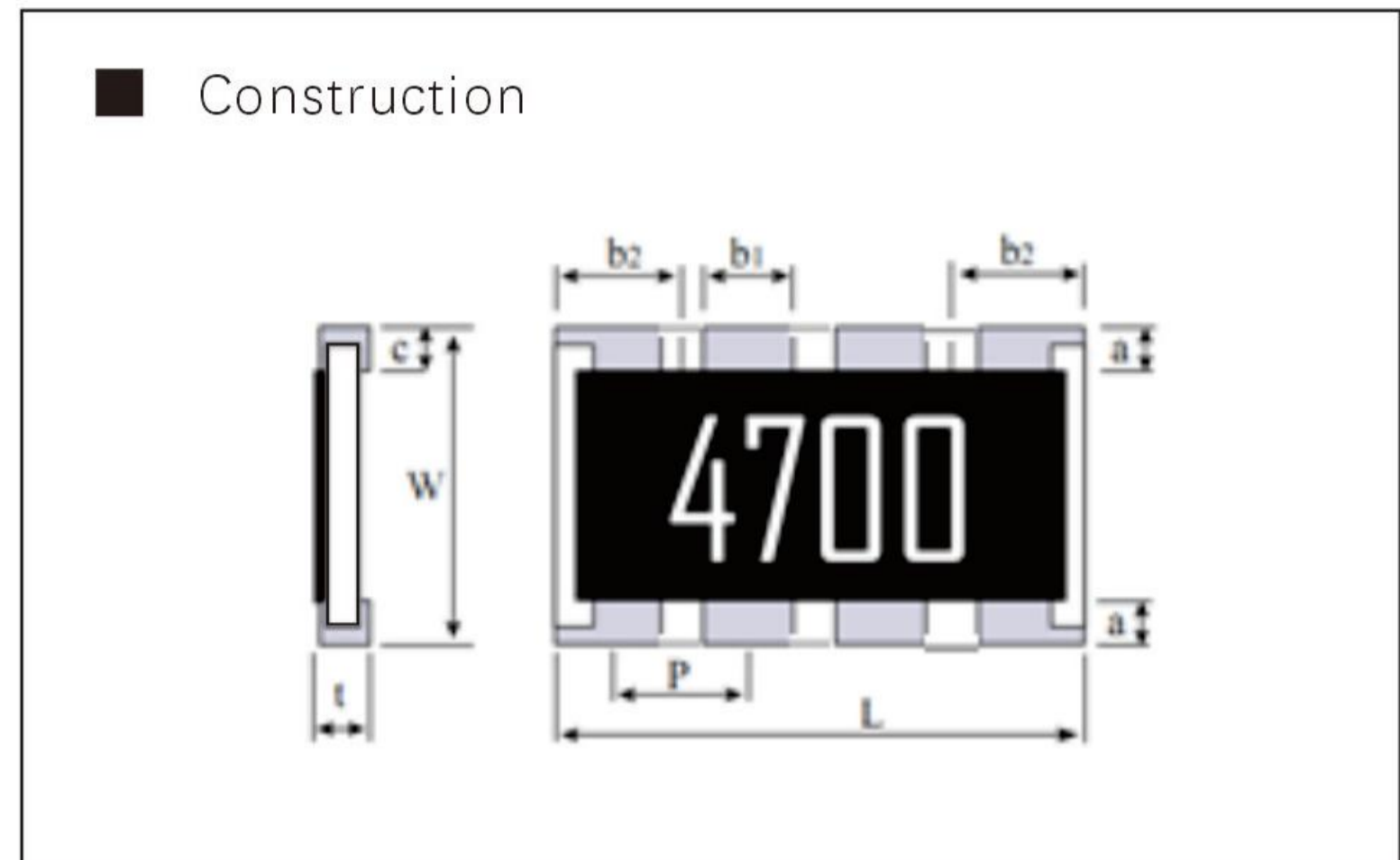
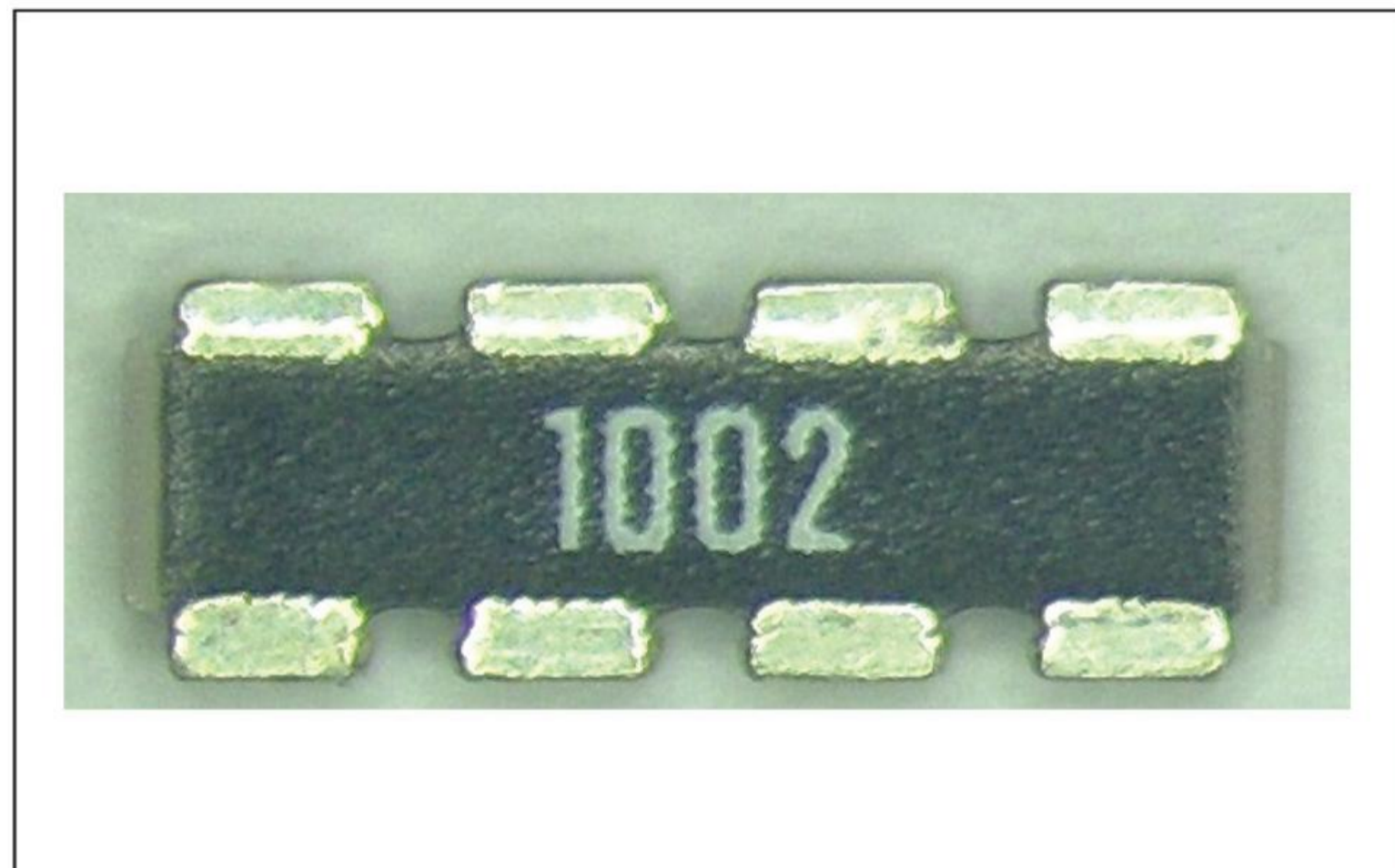


Series RN5084

Thin Film Chip Resistor Networks



■ Characteristics

- Thin Film Technology
- Resistance element passivated
- Extremely Low Noise

■ Dimensions (mm)

Model	L	W	T	A	B1	P
RN5084	4.4±0.20	1.5±0.13	0.5±0.15	0.35±0.2	0.7±0.15	1.0±0.05

- This size is a reference size and can be customized according to customer's needs.

■ Technical Standard

GB/T5729-2003 Fixed Resistors for Electronic Equipment Part I: General Specification

Q/BDS 053-2024 《Detail Specification for Chip Thin Film Resistor Networks RN5084》

■ Application Area

Rn5084 chip-type thin-film resistor network can be mounted and used with high matching accuracy and small tracking temperature coefficient. It can be used in A-D or D-a converters, voltage dividers, shunts, filters and other circuits in the manufacture of computers, industrial control instruments and communication facilities.

■ Technical Specifications

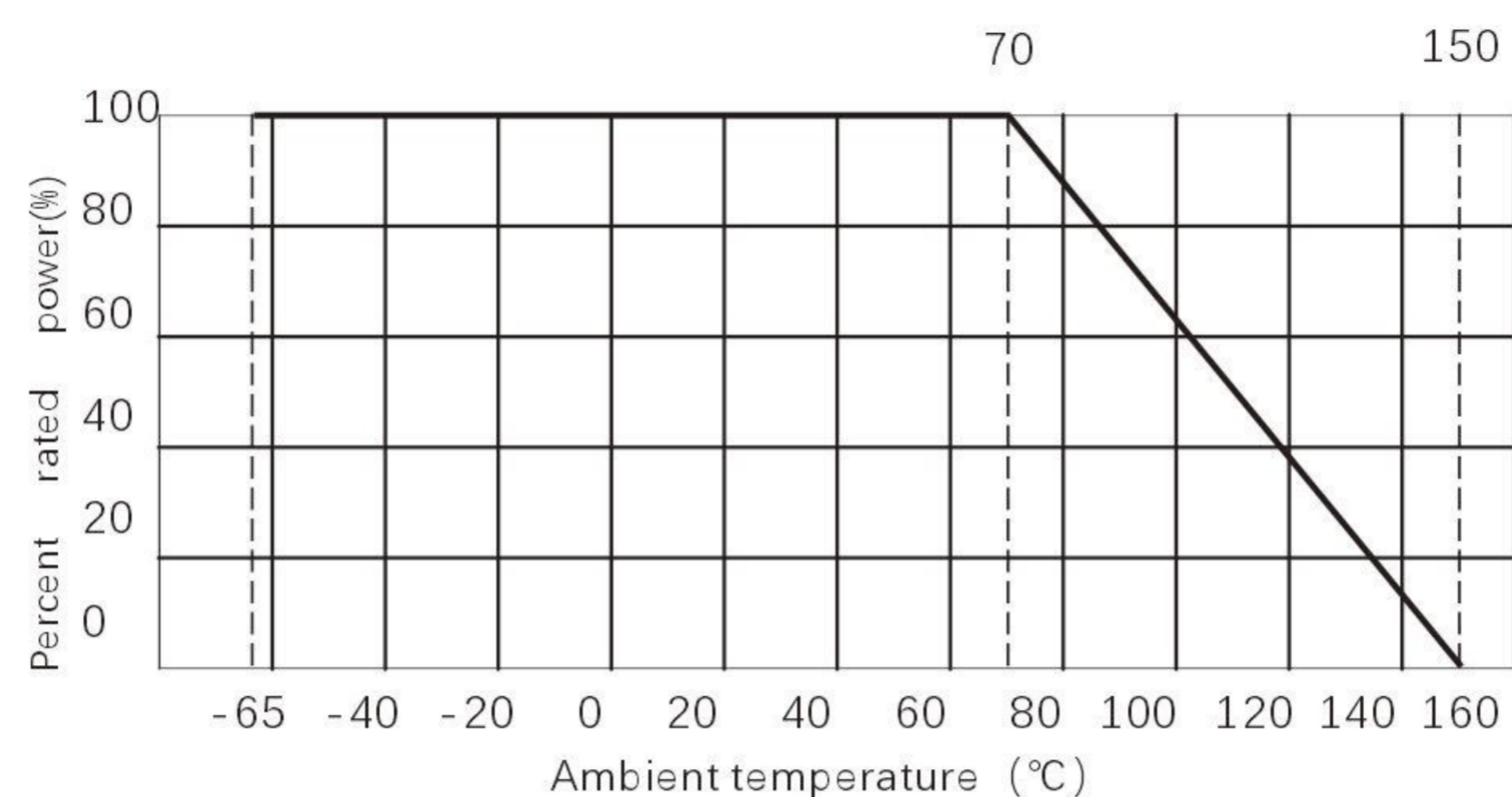
Type	Rn5084
Rated Power at 70°C(mW)	0.1
Max Working Voltage (V)	50V
Resistance Range(Ω)	100R ~ 300K
Absolute Tolerance Range	W(±0.05%),B(±0.1%), C(±0.25%),D(±0.5%), F(±1.0%)
Relative Tolerance Range	P(±0.02%),W(±0.05%),B(±0.1%)
TC-Range(10 ⁻⁶ /K)	C6 (±10), C5 (±15), C4(±20),C3(±25)

Series RN5084

Thin Film Chip Resistor Networks



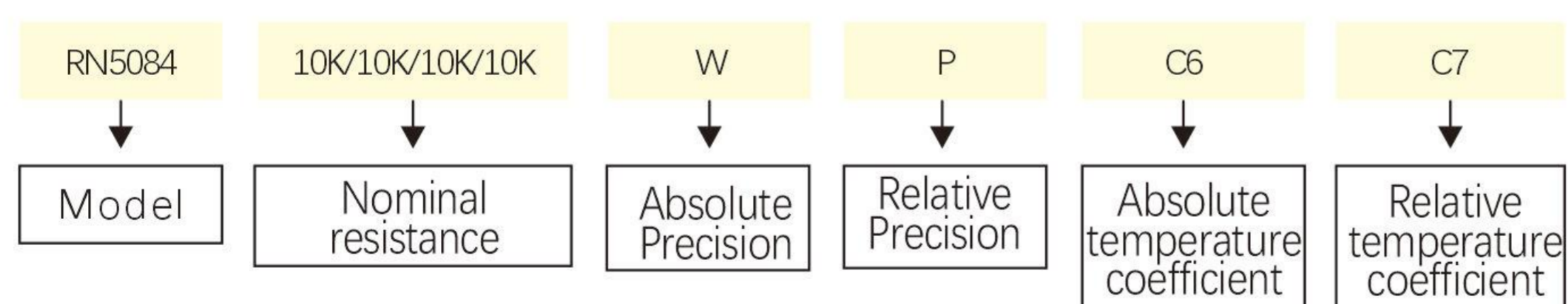
Derating Curve



Performance Characteristics

Test Items	Standards	Test Method
Temperature Shock	$\Delta R \leq \pm(0.25\%R + 0.01\Omega)$	-65°C ~ 150°C, 5 cycles
Short Time Overload	$\Delta R \leq \pm(0.25\%R + 0.01\Omega)$	2.5 times of rated voltage, not more than 2 times Component limit voltage, lasting 5S
Resistance to Solder	$\Delta R \leq \pm(0.25\%R + 0.01\Omega)$	260°C ± 5°C, 10 ± 2S
Resistance to Moisture	$\Delta R \leq \pm(0.5\%R + 0.01\Omega)$	40 °C ± 2 °C, humidity 90% ~ 95%, 1000 H 1.5 H on, 0.5 H off
70°C Endurance	$\Delta R \leq \pm(0.5\%R + 0.01\Omega)$	70 °C, rated load, 1000h 1.5h, 0.5 H break
Solderability	Lectrode area cover by solder ≥ 95%	245°C ± 5°C, 3 ± 0.5S

Examples for purchase



Packaging: Pallet in plastic bags (MOQ: 100 pcs)