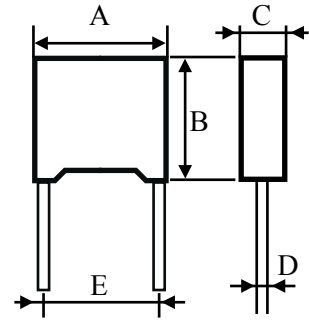




# Precision Resistors

## Ultra Precision Network Resistor - Radial Type - UPR Series

- UPR Series are assembled by Token EE/RE 1/10 series Applications to form a stable, high precision, and low temperature coefficient network resistors.
- UPR Series are relatively consistent with Tolerance of Nominal Resistance and Temperature Coefficient and are good for applications like Precision Instruments, Simulation Equipments, etc...
- The electric characteristics of UPR and UPSC are the same, excepting body size.



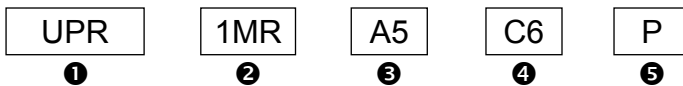
### Ultra Precision Network Resistor Dimensions and Technical Characteristics

Dimensions (mm)	A	10.5 ± 0.3	
	B	9.1 ± 0.3	
	C	4.0 ± 0.3	
	D	0.6 ± 0.05	
	E	7.62 ± 0.5	
Working Temperature (°C)		-10 ~ +70	
Rated Wattage at 70°C (W)		0.2	
Maximum Working Voltage (V)		250	
Nominal Resistance Range (Ω)		10 ~ 5M	1K ~ 1M
Nominal Resistance Tolerance (%)		A2(±0.02), A5(±0.05), B(±0.1)	T(±0.01), A2(±0.02), A5(±0.05), B(±0.1)
Temperature Coefficient (ppm/°C) [TCR: +25°C ~ +85°C]		C9(±3), C7(±5), C6(±10), C5(±15), C3(±25)	C10(±2), C9(±3), C7(±5), C6(±10), C5(±15), C3(±25)

Remark • Customer can specify Tolerance and Temperature Coefficient range to meet your own needs.

- It can be required to Token's representatives if customer's requirement beyonds the range of Token's specifications.

### How to Order



① Product type

② Resistance Value (Ω): 10 ~ 5M, 1K ~ 1M

③ Resistance Tolerance (%)

Resistance Value	Code	Resistance Tolerance (%)
10 ~ 5M	A2	±0.02
	A5	±0.05
	B	±0.1
1K ~ 1M	T	±0.01
	A2	±0.02
	A5	±0.05
	B	±0.1

④ Temperature Coefficient (ppm/°C)

Resistance Value	Code	Temperature Coefficient (ppm/°C)
10 ~ 5M	C9	±3
	C7	±5
	C6	±10
	C5	±15
	C3	±25
1K ~ 1M	C10	±2
	C9	±3
	C7	±5
	C6	±10
	C5	±15
	C3	±25

⑤ Packaging: P(Bulk)