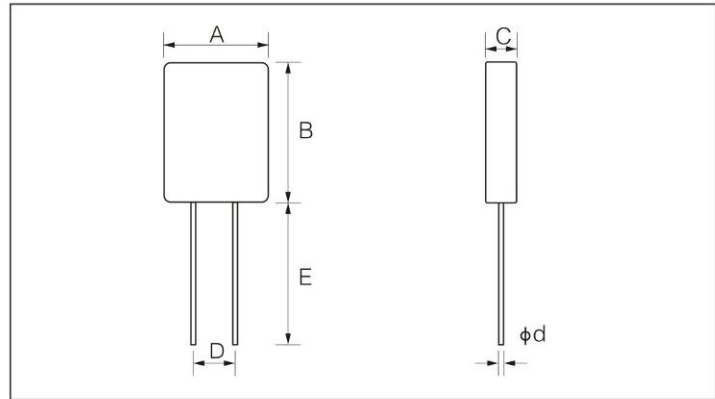


## Construction



## Characteristics

- Low TCR
- Radial lead
- High Stability:  $\pm 0.5\%$ ,  $70^\circ\text{C}$ , 1000h

## Dimensions (mm)

Type	A $\pm 0.5$	B $\pm 0.5$	C $\pm 0.5$	D	E $\pm 2$	d $\pm 0.05$
UPR1/10	10.5	9.5	4	2.54~7.6	10	0.60
UPR1/8	7.5	9.5	2.5	3.81	10	0.60
UPR1/4	9	12	4	2.54~5.08	10	0.60
UPR1/2	14	12	4	2.54~7.62	10	0.60
	9	12	4	2.54~5.08	10	0.60
UPR3/4	9.5	16.5	5	5.08	10	0.80

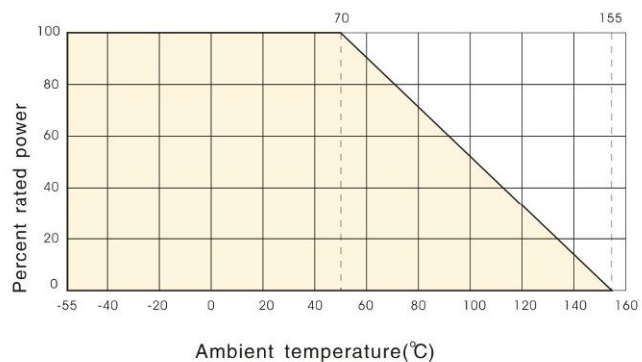
## Applications

- Meters and instruments
- Electronic weighing apparatus

## Reference Standards

GB/T 5729-2003

## Derating Curve



## Technical Specifications

TYPE	UPR1/10	UPR1/8	UPR1/4	UPR1/2	UPR3/4
Power Rating at Tu70°C(W)	0.1	0.125	0.25	0.5	0.75
Limiting Element voltage (V)	200	200	250	300	350
Resistance Range( $\Omega$ )	10R ~ 2M0				
Absolute Tolerance	L( $\pm 0.01\%$ ), P( $\pm 0.02\%$ ), W( $\pm 0.05\%$ ), B( $\pm 0.1\%$ )				
TC-Range( $10^{-6}/\text{K}$ )	C10( $\pm 2$ ), C7( $\pm 5$ ), C6( $\pm 10$ ), C5( $\pm 15$ ), C4( $\pm 20$ )				

## ■ Performance

Test Item	Specifications	Test Method
Short time overload	$\leq \pm(0.1\%R+0.01\Omega)$	2.5V <sub>R</sub> , 5s
Thermal shock	$\leq \pm(0.1\%R+0.01\Omega)$	-55°C/155°C, 5cycles
Dielectric strength	$\leq \pm(0.1\%R+0.01\Omega)$	V <sub>AC</sub> , 1min±5s
Leaching	$\leq \pm(0.1\%R+0.01\Omega)$	260°C, 10s
Load life	$\leq \pm(0.5\%R+0.05\Omega)$	70°C, P <sub>R</sub> , 1000h
Shock	$\leq \pm(0.1\%R+0.01\Omega)$	1000m/s <sup>2</sup> , 6ms
Vibration	$\leq \pm(0.1\%R+0.01\Omega)$	0~500Hz, 0.75mm, 98m/s <sup>2</sup>

## ■ How To Order

### Example

UPR	1/10	0.1W	10R	±0.01%	±2(10 <sup>-6</sup> /K)	Plastic bags
Type	Style	Power	Nominal Value	Tolerance	TCR	Packaging
UPR	1 / 10 1 / 8 1 / 4	0.1W 0.125W 0.25W	10R	±0.01% ±0.02% ±0.05% ±0.1%	±2(10 <sup>-6</sup> /K) ±5(10 <sup>-6</sup> /K) ±10(10 <sup>-6</sup> /K) ±15(10 <sup>-6</sup> /K) ±20(10 <sup>-6</sup> /K) ±25(10 <sup>-6</sup> /K)	plastic bags 20 pieces

Packaging: Plastic recloseable bags (moq: 20pcs)。