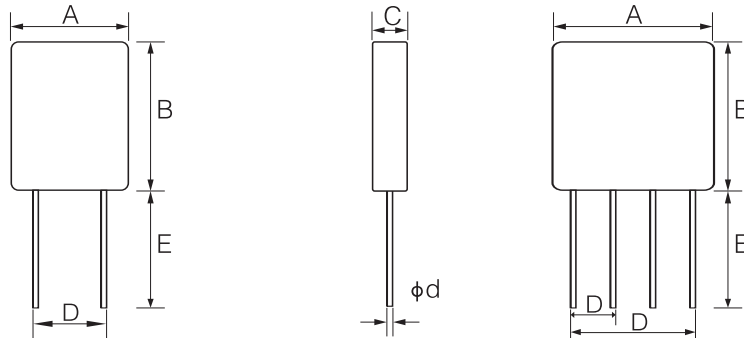


## ● Features

- I Low T.C.R
- II Radial Lead
- III High Stability
- IV Low Noise

## ● Dimensions



Type	Power	Dimensions(mm)					
		A ± 0.5	B ± 0.5	C ± 0.5	D	E ± 2	d ± 0.05
UPR1	1/10W	10.5	9.5	4	2.54 or 7.6	10	0.60
UPR2	1/8W	7.5	9.0	2.5	3.81	10	0.60
UPR3	1/4W	9	12	4	2.54 or 5.08	10	0.60
UPR4	1/2W	10.6	10	3	2.54 or 7.62	10	0.60
UPR4	1/2W	14	10	4	2.54 or 7.62	10	0.60
UPR4	1/2W	9	10	4	2.54 or 5.08	10	0.60
UPR5	3/4W	9.5	16.5	5	5.08	10	0.80

Note: can provide products with 4 lead wires if customer need.

## ● Ordering Information

Example:

UPR	1	L	10R0	C10	P
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Resistance	T.C.R	Packing

(1)Type: UPR SERIES

(2)Power Rating: 1/10=1/10W,1/8=1/8W,1/4=1/4W,1/2=1/2W,3/4W

(3)Tolerance: L= ± 0.01%,P= ± 0.02%,W= ± 0.05%,B= ± 0.1%

(4)Resistance Value:10R0=10Ω

(5)T.C.R:C10= ± 2PPM,C7= ± 5PPM,C6= ± 10PPM,C5= ± 15PPM,C4= ± 20PPM,C3= ± 25PPM

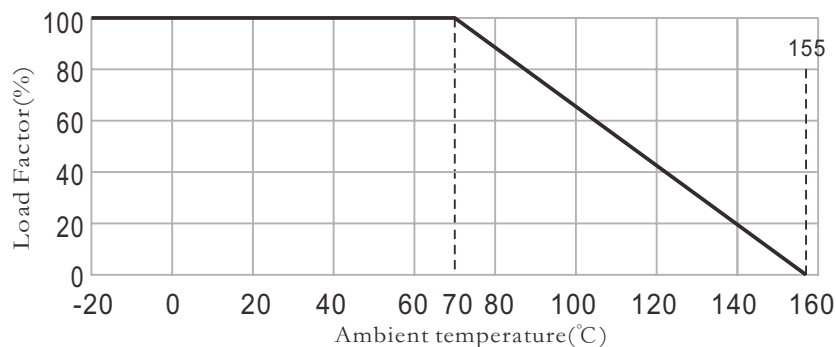
(6)Packing:P=plastic bags

Packing:Plastic recloseable bags(moq:30pcs)。

## ● Reference Standards

JISC 5201-1

## Derating Curve



## Applications And Ratings

Rated Power(W)	Power Rating (W)at 70°C	Resistance Range(Ω)	MaxWorking Voltage	Tolerance Range	T.C.R PPM/°C
1/10	0.10	10R~2M0	400	L(±0.01%) P(±0.02%) W(±0.05%) B(±0.1%)	C10(±2),C7(±5) C6(±10),C5(±15) C4(±20),C3(±25)
1/8	0.125	10R~2M0	500		
1/4	0.25	10R~2M0	600		
1/4	0.25	10R~2M0	600		
1/4	0.25	10R~2M0	600		
1/2	0.50	10R~2M0	600		
3/4	0.75	10R~2M0	700		

## Performance

Test Items	Performance	Test Methods(JIS C 5201-1)
Short time overload	$\leq \pm (0.1\%R+0.01\Omega)$	2.5VR,5S
Thermal shock	$\leq \pm (0.1\%R+0.01\Omega)$	-55°C/125°C,5cycles
Dielectric strength	$\leq \pm (0.1\%R+0.01\Omega)$	1000V <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 <sup>2</sup> /s ,6ms
Vibration	$\leq \pm (0.1\%R+0.01\Omega)$	10~500HZ,0.75mm,98m <sup>2</sup> /s