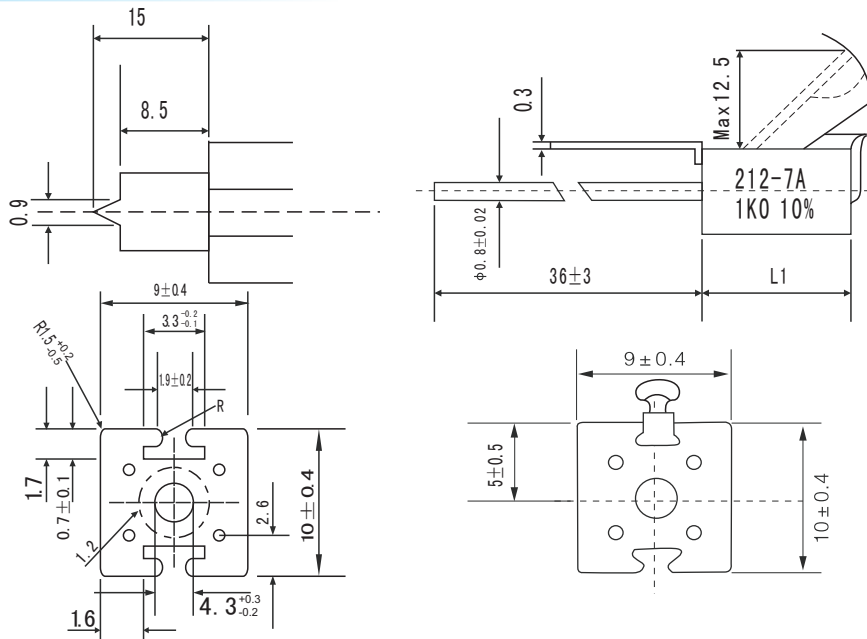


## ● Features

- I Ceramic encased , Flame-proof .
- II Safe and reliable
- III Character marking

## ● Dimensions, Applications And Ratings



Style	Rated power (W)		Resistance Range (Ω)			Dimensions (mm)
	0°C	70°C	Max10%	Min5%	Max	
212-7	3.0	2.0	R18	R33	1K5	25 ± 1.0
214-7	5.5	2.5	R18	R33	3K3	38 ± 1.0
216-7	7.0	3.5	R22	R51	4K7	50 ± 1.5
218-7	10.0	4.5	R33	R91	8K2	75 ± 2.0

For resistance values <R10 and tolerance <2%, please measure resistance 10mm ± 1mm from the bottom of ceramic case.

## ● Ordering Information

Example:

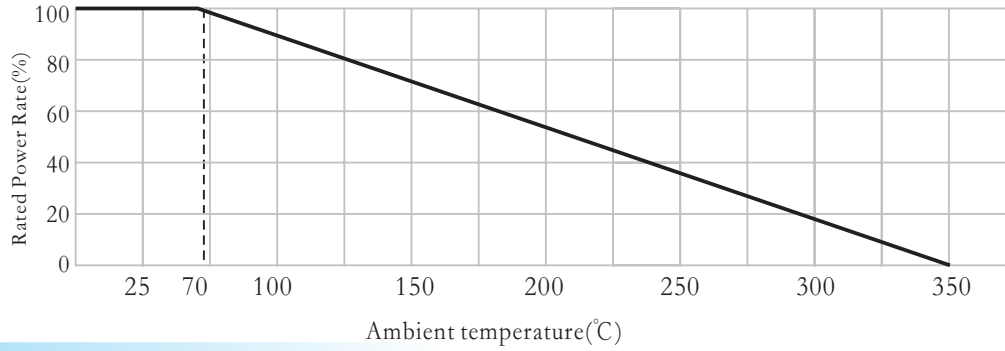
KT	214	2	J	100R
(1)	(2)	(3)	(4)	(5)
Series Name	Styel	Power Rating	Resistance Tolerance	Resistance Value

- (1) Type: KT
- (2) Styl: 212, 214, 216, 218
- (3) Power Rating: 2=2W, 2.5=2.5W, 3=3W...
- (4) Tolerance: J= ± 5%, K= ± 10%
- (5) Resistance Value: 0R100=0.1Ω, 1R00=1Ω, 100R=100Ω

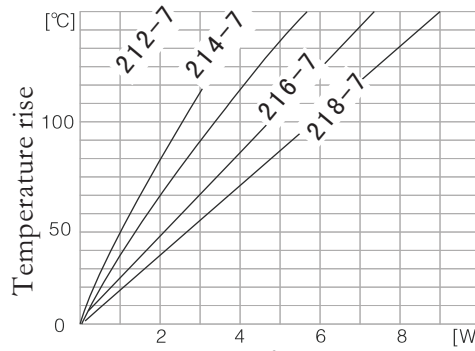
## ● Reference Standards

JIS C 5201-1

## Derating Curve

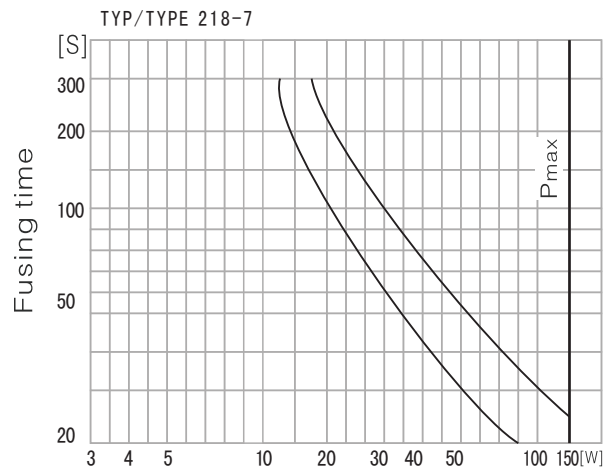
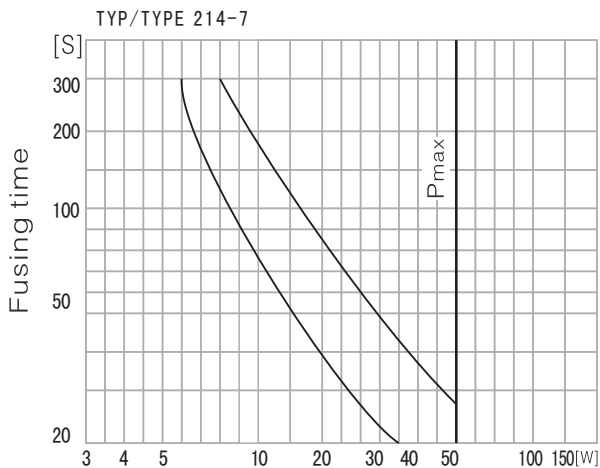
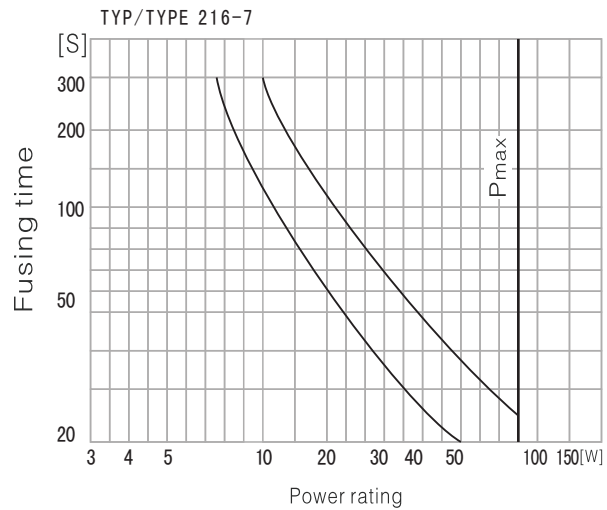
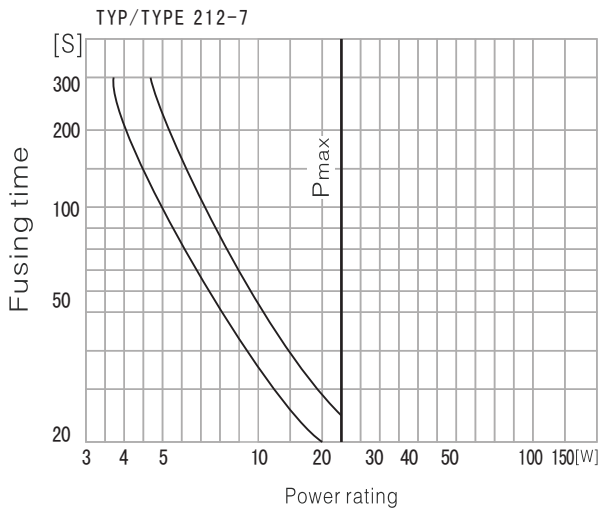


## Solder Joint Temperature Rise Graph



Temperature at solder joint should never exceed 150°C under normal working conditions, solder joint temperature is defined as sum of ambient temperature and temperature rise caused by applied load.

## Fusing Time and Power Rating Graph



## ● Performance

TEST ITEM	SPECIFICATIONS
Tolerances	$\pm 5\%$ (J) , $\pm 10\%$ (K)
Temperature coefficient	$^{-6}(-80\sim+500) \times 10 / ^\circ\text{C}$
Max.cont.work.voltage	$\sqrt{P \times R}$
Insulation voltage	2000V
Insulation resistance	$\geq 1\text{G}\Omega$
Climatic category	55/150/56
Temperature range	-55~150°C
Derating	Reference "Solder temperature chart"
Failure rate	Approximate value $100^9 \times 10^1$ h
Load life ,(P70,70°C ,1000hrs)	$\Delta R \leq \pm (5\%R + 1.0\Omega)$
Damp heat,steady steady(40°C , 93%, r,h,56d)	$\Delta R \leq \pm (5\%R + 1.0\Omega)$
Climatic category	$\Delta R \leq \pm (5\%R + 1.0\Omega)$
Terminal tensile strength	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Anti-pull strength	50N
Resistance to sold,heat(260°C ,10s )	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Solderbility	IEC68-2-20(1968), 235±5°C, 2±5s(solder bath method)