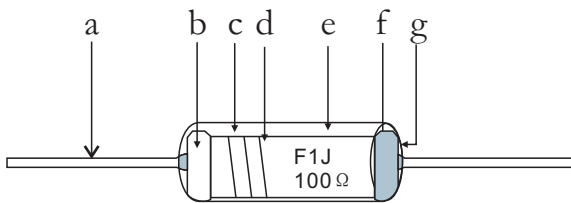


## Features

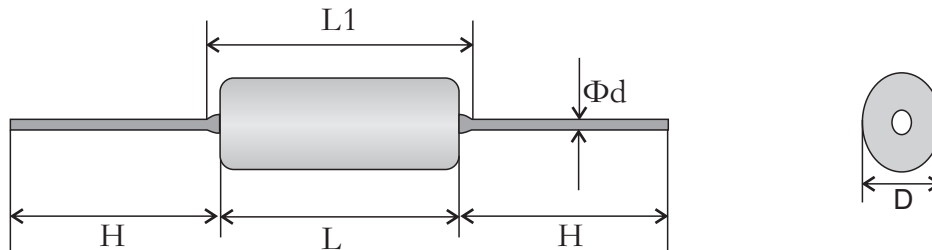
- I The anti-burst type wire wound or film type fusible.
- II Resistors can provide reliable environmentally safe fusing behavior.
- III Reliable performance and endurance to surge voltage.
- IV Products meet eu-rohs.

## Construction



a	Lead wire
b	Cap
c	Ceramic base
d	Wirewound or film
e,f	Marking or color code
g	Insulation coat

## Dimensions



Rated power(w)	Dimensions(mm)					Weight(g) (1000pcs)
	L	L1 MAX.	D	Φd	H	
1/4	7.5 ± 0.5	10	3.6 ± 0.5	0.6 ± 0.05	26 ± 2	310 ± 5g
1/2	11 ± 1	14	4.3 ± 0.5	0.6 ± 0.05	26 ± 2	490 ± 5g
1	11 ± 1	14	4.3 ± 0.5	0.6 ± 0.05	26 ± 2	490 ± 5g
2	13 ± 1	16	5.5 ± 0.5	0.8 ± 0.05	30 ± 3	1250 ± 10g
3	17 ± 1	20	7.0 ± 0.5	0.8 ± 0.05	35 ± 3	2300 ± 10g

## Ordering Information

Example:

FKB/F	14	J	R100
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type:FKB/F SERIES

(2)Power Rating: 14=1/4W,12=1/2W,1=1W,2=2W,3=3W

(3)Tolerance: J= ± 5%

(4)Resistance Value:R100=0.1R, 1R00=1Ω、10R0=10Ω、100R0=100Ω

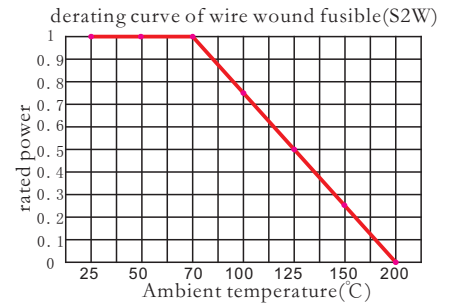
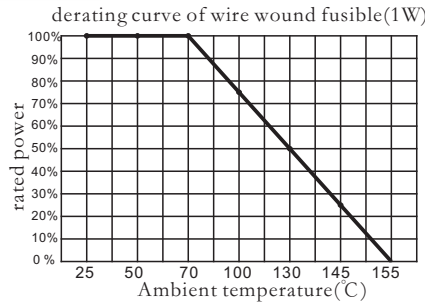
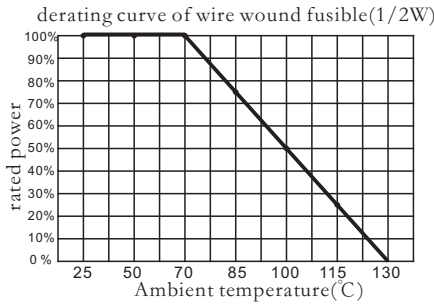
## Reference Standards

JISC 5201-1

## Applications And Ratings

Rated Power(w)	Resistance Range( $\Omega$ ) J $\pm$ 5%(E24)	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	T.C.R	Taping/Ammo Forming/Bulk pack (pcs)					
						A52	A64	FT	YT	L	C
1/4	0.1~100	100V	150V	2000V	$\leq 1\Omega$ : $\pm 500\text{PPM}/^\circ\text{C}$ $> 1\Omega$ : $\pm 300\text{PPM}/^\circ\text{C}$	1000	—	—	—	—	—
1/2						1000	—	—	—	2500	2500
1						1000	—	—	—	1000	1000
2						—	500	—	—	1000	1000
3						—	—	—	—	—	—

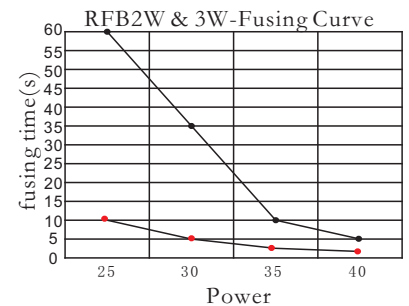
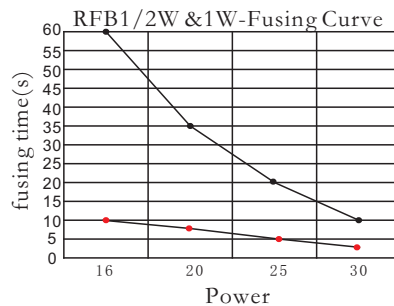
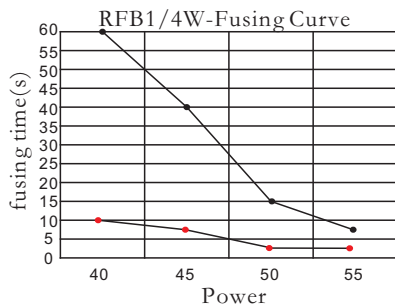
## Derating Curve



## Fusing Characteristics(reference)

Residual resistance  $\geq 100$ times nominal resistance

1/4W	Power rating I=constant	Opening time	1/2W &1W	Power rating I=constant	Opening time	2W &3W	Power rating I=constant	Opening time
	40*wattage	10 sec min		16*wattage	10 sec min		25*wattage	10 sec min
45*wattage	8sec~40sec max	20*wattage	8sec~35sec max	30*wattage	5sec~35sec max			
50*wattage	3sec~15sec max	25*wattage	5sec~20sec max	35*wattage	2sec~10sec max			
50*wattage	2sec~8sec max	30*wattage	2sec~10sec max	40*wattage	1sec~5sec max			



※Energy can be fixed according to customer demand

## Performance

Test Items	Performance Requirements	Test Methods(JIS C 5201-1)
Resistance	Within specified tolerance	Measuring points are 10mm from the end cap
T.C.R.	Within specified T.C.R	Room temperature+100°C
Short time overload	$\pm (1\%+0.05\Omega)$	4 times the rated power for 5 seconds
Load life	$\pm (5\%+0.1\Omega)$	Rated voltage at 70°C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	$\pm (5\%+0.1\Omega)$	Rated voltage at 40°C,95%RH for 1,000 hours
Moisture resistance	$\pm (1\%+0.05\Omega)$	40°C,95%RH for 240 hours
Temperature cycle	$\pm (1\%+0.05\Omega)$	5 cycles for -25°C (30min);room temp.(30min) ~+85°C (30min)room temp.(30min)
Solderability	95%(min)coverage	Temp. of solder 245°C $\pm$ 5°C duration of immersion3s $\pm$ 0.5s
Insulation resistance	$> 1,000\text{M}\Omega$	500V insulation test 1min.
Flameproof	no evidence of flaming or arcing	AC voltage of 2,4,8,16,32 times the power rating for 1min.(V $\leq$ 4 times max .working voltage)