

# RXG21(A/B/C/D)

lightning surge protection wire-wound fuse resistors



## Features

- Ceramic encased, perfect surge-proof, good safety performance
- Resistance fusing instantly when short circuit comes
- Ceramic package safe and reliable

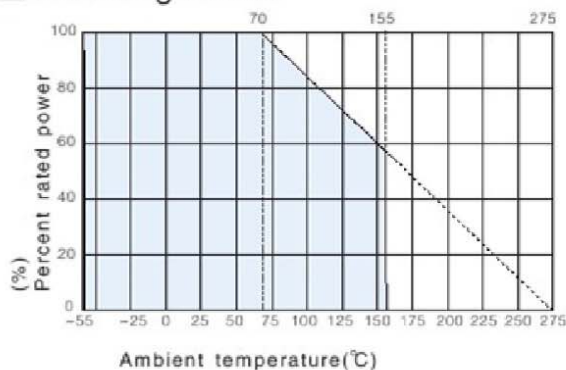
## Applications

- Energy saving lamp
- Battery chargers
- Switching power supply

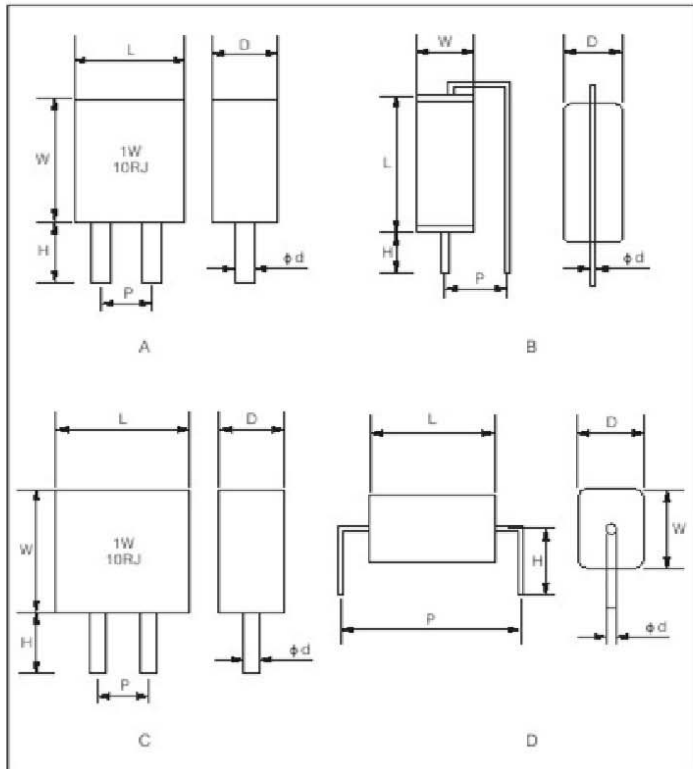
## Reference Standards

Q/ATK 063

## Derating Curve



## Construction

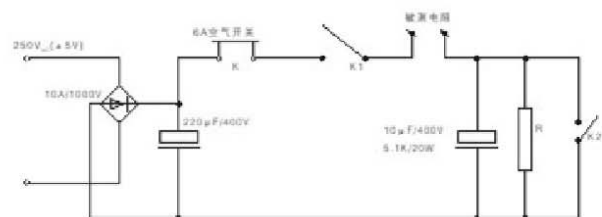


## Dimensions(mm)

Type	Lmax	Wmax	D	P	H	φd
RXG21-A-1W	10.5	10.5	5.0±0.5	5.0±0.8	3.6±0.5	0.7±0.05
RXG21-B-1W	13.0	6.0	5.0±0.5	5.0±0.8	3.6±0.5	0.7±0.05
RXG21-C-1W	11.5	8.5	5.0±0.5	5.0±0.8	3.6±0.5	0.6±0.05
RXG21-D-1W	12.5	5.7	5.0±0.5	17.5±0.5	6.5±0.5	0.7±0.05
RXG21-D-2W	19.5	7.5	6.5±1	20.7±0.5	6.5±0.5	0.8±0.05

## Shockproof Property

As shown in chart, close air switch K, cut K2, the resistance value will not disappear after on/off 30 times.



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## Short Circuit Fusing Characteristic

The experimental resistor connect into 230VAC power supply, the resistor will fusing immediately It will not occur that resistor explode or on fire.

## Surge Proof Characteristic

The experimental resistor connect into the suitable battery charge, exert the 1000V~3000V voltage to the battery charge according to IEC 1000-4-5, after experiment, the resistance will not be open.

## Technical Specifications

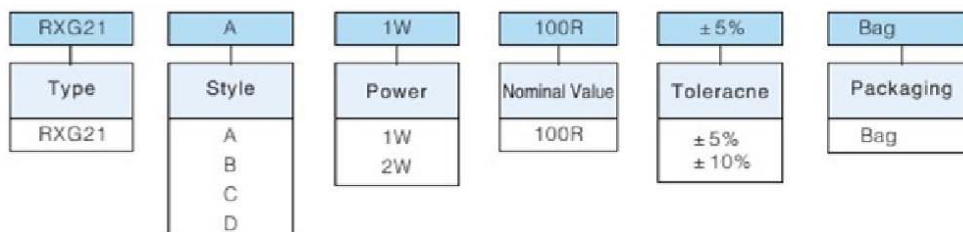
Type	Rated Power	Resistance Ranges( $\Omega$ )	Tolerances	Rating Ambient Temp	Operating Temp Range
RXG21-A-1W	1W	0.47 $\Omega$ ~51 $\Omega$	±5% ±10%	70°C	-55°C~155°C
RXG21-B-1W	1W	0.47 $\Omega$ ~51 $\Omega$			
RXG21-C-1W	1W	0.47 $\Omega$ ~51 $\Omega$			
RXG21-D-1W	1W	0.47 $\Omega$ ~51 $\Omega$			
RXG21-D-2W	2W	1 $\Omega$ ~100 $\Omega$			

## Performance

Test Item	Specifications	Test Method
Short time overload	$\Delta R \leq \pm(2\%R+0.05\Omega)$	10V <sub>n</sub> , 5S
Rapid change of temperature	$\Delta R \leq \pm(1\%R+0.05\Omega)$	-55°C/275°C, 30min 5cycles
Leaching	$\Delta R \leq \pm(1\%R+0.05\Omega)$	350±10°C, 3.5±0.5S
Climatic category	$\Delta R \leq \pm(5\%R+0.05\Omega)$	275°C, 16h/55°C, RH93±3%, 24h/ -55°C, 2h/8.5kpa, 15~35°C, 1h
Endurance at70°C	$\Delta R \leq \pm(5\%R+0.1\Omega)$	70±2°C, P <sub>n</sub> , 1000h

## How To Order

Example



Please contact us for special requirement about resistance, size and specification.