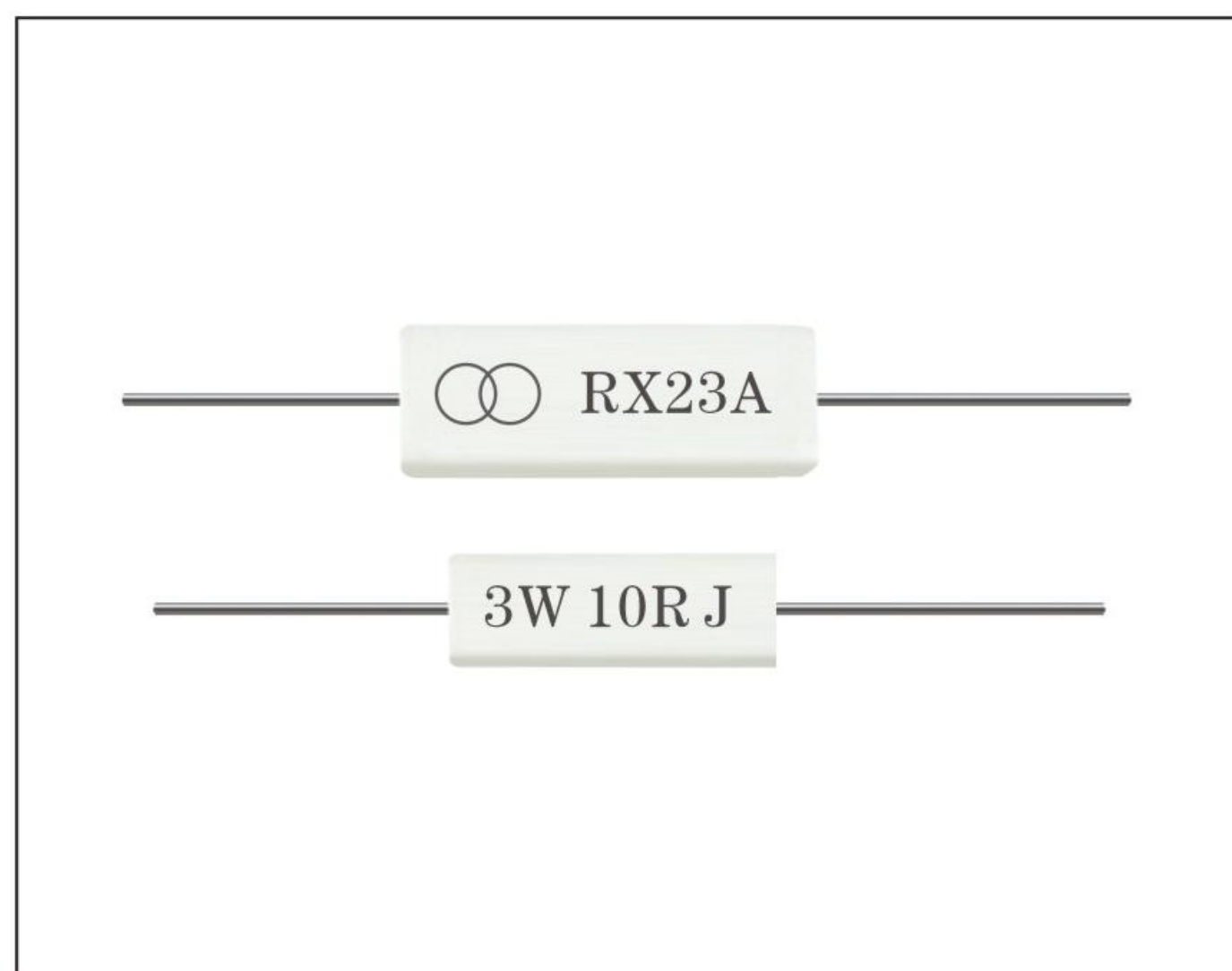
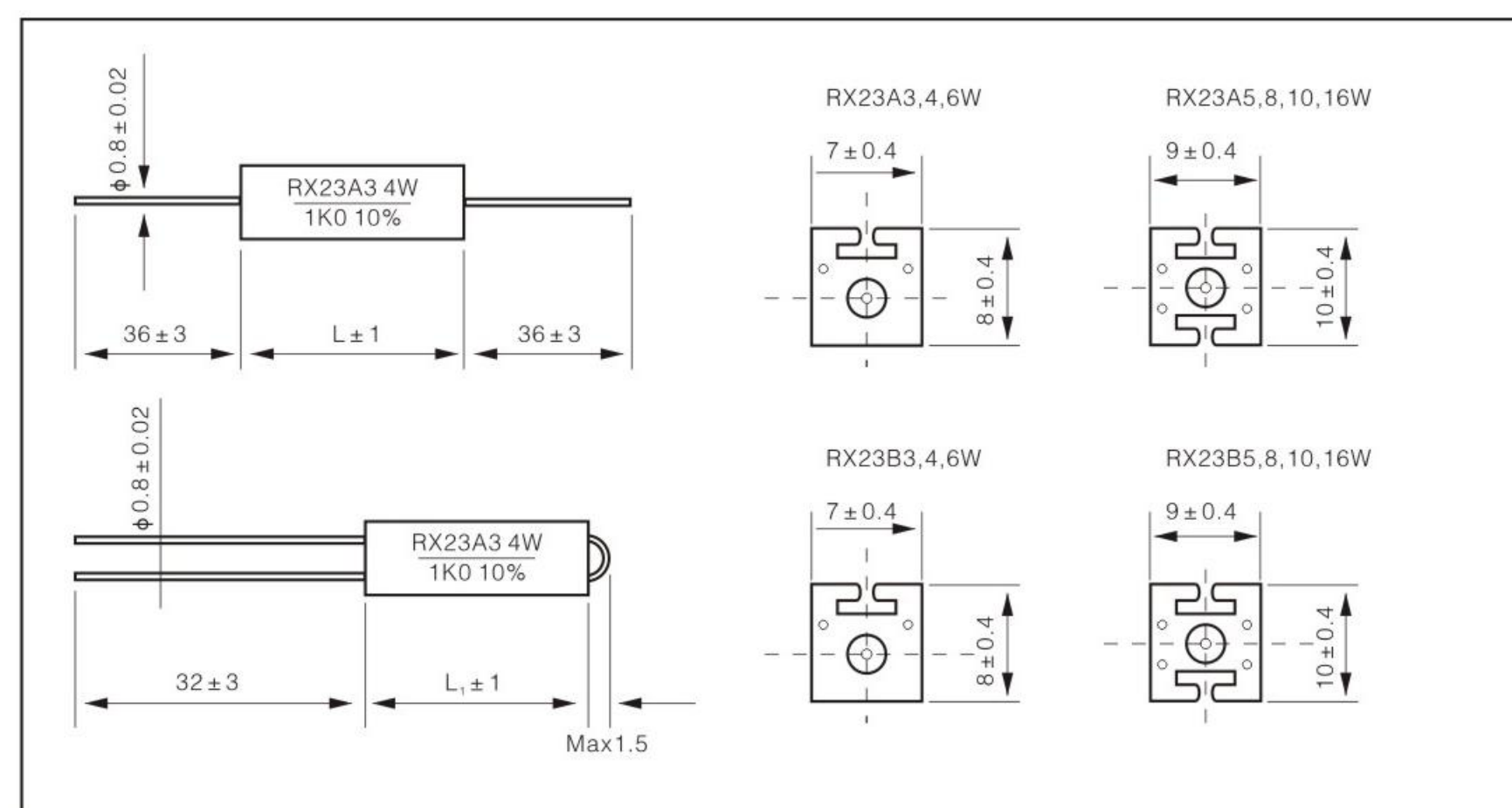


# RX23(KV206/218)

ceramic encased wire-wound resistors



## Construction(mm)



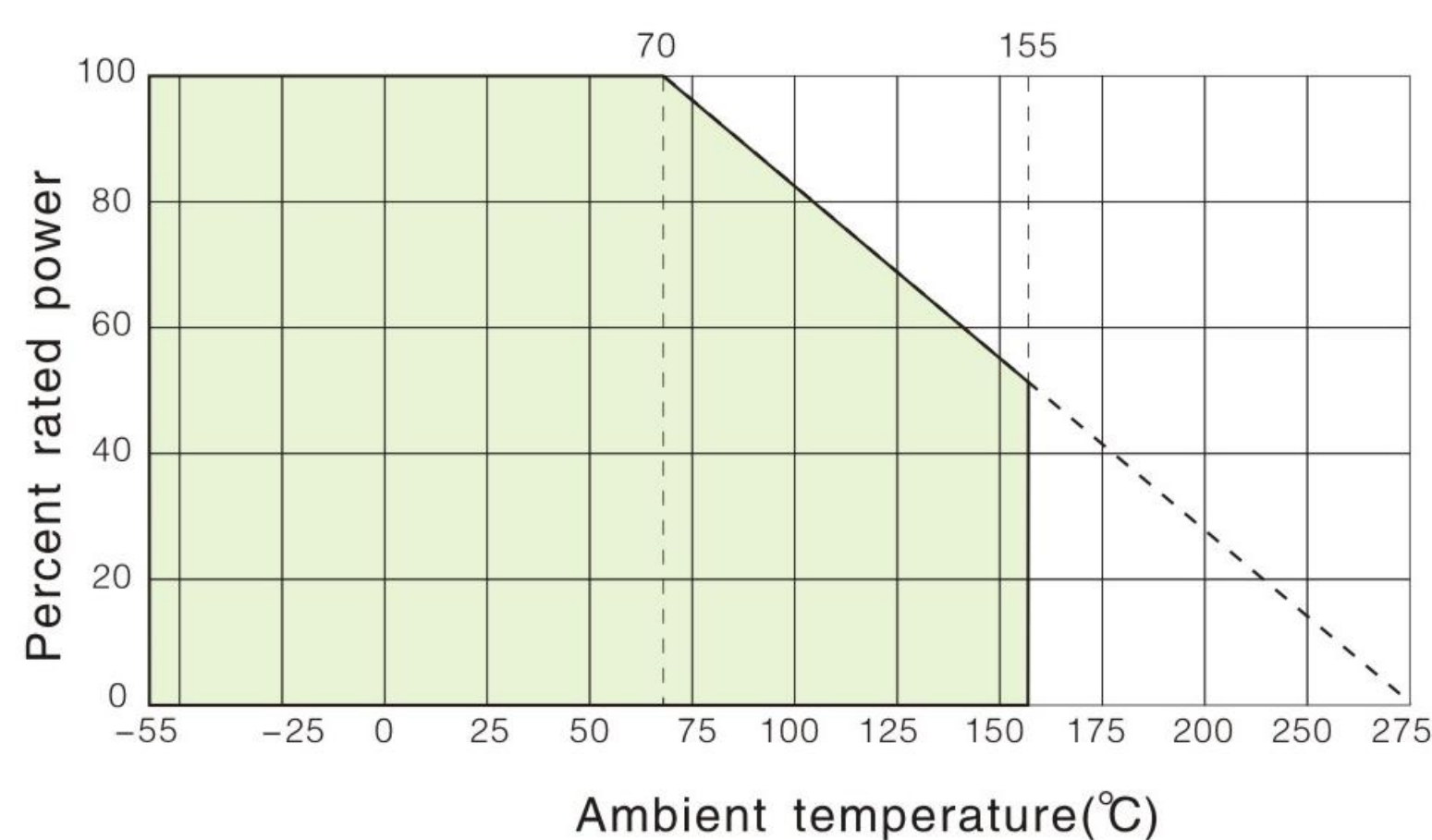
## Features

- Moisture-proof, good heat-resistant
- Perfect insulation
- Wide working temperature range

## Applications

- Applied in electrical instruments and equipments
- Colour TV, audio, charger etc

## Derating Curve



## Reference Standards

Q/ATK02-91

## Technical Specifications

Type	Rated Power (W)	Dimensions(mm) L <sub>1</sub>	Resistance Range		Tolerance	(10 <sup>-6</sup> /K) Temperature coefficient
			Min	Max		
RX23-A,B-3	3.0	20	R10	1K5	± 5% ± 10%	500 × 10 <sup>-6</sup> /°C
RX23-A,B-4	4.0	25	R10	2K2		
RX23-A,B-6	6.0	38	R22	3K9		
RX23-A,B-7	7.0	25	R10	2K2		
RX23-A,B-9	9.0	38	R33	3K9		
RX23-A,B-11	11.0	50	1R0	5K6		
RX23-A,B-17	17.0	75	1R0	10K		



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ceramic encased wire-wound resistors



## Performance

Test Item	Specifications	Test Methods
Solderability	Wetted and free-flowing solder leads, >95% of the soldered area on the leads	235°C ± 5°C , 2s ± 0.5s
Short-term overload	$\Delta R \leq \pm ( 1\%R \pm 0.05 \Omega )$	$\sqrt{10RP}$ 5s
Lead end strength	No visible loss in appearance $\Delta R \leq \pm ( 1\%R \pm 0.05 \Omega )$	Tension, bending, twisting, 180 degrees 2 times
Resistance to soldering heat	No visible loss in appearance $\Delta R \leq \pm ( 1\%R \pm 0.05 \Omega )$	260°C ± 5°C 10s ± 0.5s
Temperature Coefficient	± 500ppm/°C	GB/T 5729-2003 Article 4. 8
Reduced Power Consumption	When the ambient temperature rises from 70°C to 275°C, the permissible load of the resistor decreases from 100% to 0% of the rated power.	
Long term life	$\Delta R \leq \pm ( 5\%R \pm 0.1 \Omega )$ Insulation Resistance $\geq 1G \Omega$	1000h , 1. 5h energized, 0. 5h de-energized
Surface Temperature Rise	$\leq 210^\circ C$	Apply rated voltage to achieve thermal stability

## How To Order

### Example

RX23	A	3W	1 Ω	± 5%	± 400(10 <sup>-6</sup> /K)
Type	Style	Power	Nominal Value	Tolerance	TCR
RX23	B	3W 4W 5W 6W 8W 10W 16W	1 Ω	5% 10%	± 400(10 <sup>-6</sup> /K)

## Measurement of Precised Resistors

1. Testing environment: 25 ± 2°C, relative: 60%RH .
2. Precision of test apparatus should be at 2 classes higher than resistors tested, fox example: If precision of resistor tested at: 0.1%, the precision for testing apparatus will be required at 0.02%.
3. Keep an eye on the stands of testing fixture when high resistance be tested, good insulation, screening and grounding should be equipped with.
4. For low resistance testing, 4 terminals-measurement is indispensable.
5. When Resistors being formed or fixed, the root of leads should not be stressed. Welding temperature below: 260°C, less than 3 seconds.