# RXQAN

Coated Fixed Wirewound Resistors

## Product Introduction

• Features: Axial threaded-hole terminals for bolt mounting. Coated surface, high-temperature resistance and flame retardance.

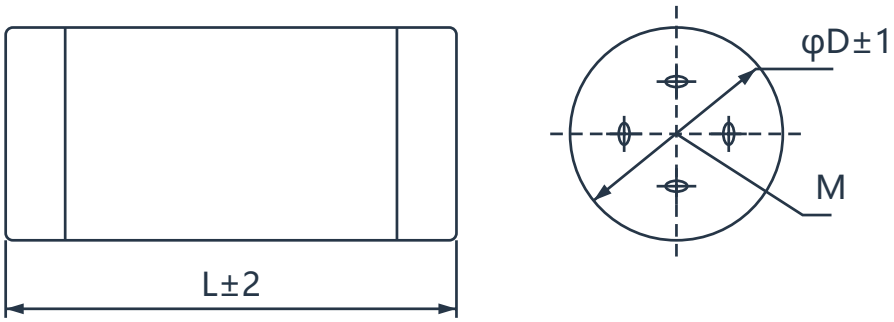
• Applications: DC or low-frequency AC circuits in high-power electrical equipment.

• Non-inductive products are available by agreement; add "N" before the model.

• Products complying with RoHS and REACH are available.



## Dimensions



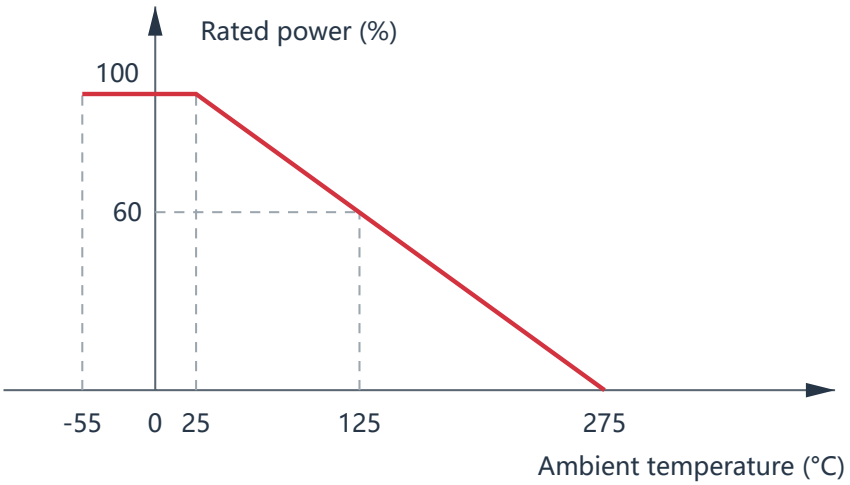

## Specifications

| Model | Rated power (W) | Surge power (W) (2min) | Resistance range (Ω) | Dimensions (mm) | | |
|---|---|---|---|---|---|---|
| | | | | L | D | M (thread) |
| RXQAN-160 | 150 | 200 | 20~2.4K | 150 | 37 | 6 |
| RXQAN-250 | 200 | 300 | 30~3.6K | 150 | 55 | 8 |
| RXQAN-500 | 300 | 500 | 43~4.7K | 153 | 73 | Default 8 (custom: 6, 10, 12, 16) |
| RXQAN-1000 | 600 | 1000 | 82~10K | 308 | | |
| RXQAN-1500 | 800 | 1500 | 130~10K | 428 | | |
| RXQAN-2000 | 1000 | 2000 | 160~10K | 528 | | |

## Main Test Items

| Test item | Test conditions | Requirement | Test standard |
|---|---|---|---|
| Temperature rise | Ambient: (15~30) °C, rated power | ≤400°C | GB/T 5729-2003, 4.14 |
| Rapid temperature change | Range: (-55~+125) °C, 5 cycles | ΔR≤±(1%R+0.1Ω) | GB/T 2423.22-2002 |
| Shock | Acceleration: 150m/s², duration: 11ms, half-sine wave | ΔR≤±(1%R+0.1Ω) | GB/T 2423.05-1995 |
| Vibration | Frequency: (10~55) Hz, amplitude 0.75mm or acceleration 98m/s², 1h | ΔR≤±(1%R+0.1Ω) | GB/T 2423.10-2008 |
| Steady damp heat | (40±2) °C, relative humidity (93±3)%, 96h | ΔR≤±(5%R+0.1Ω) | GB/T 2423.03-1993 |
| Room-temperature endurance | Ambient: (15~35) °C, rated power, 1.5h on / 0.5h off, 96h | ΔR≤±(5%R+0.1Ω) | GB/T 5729-2003, 4.25 |

## Power Derating Curve




## Ordering Example

| RXQAN - 2000 | 400Ω | ±5% | 1000 pcs |
|---|---|---|---|
| Model | Nominal resistance | Resistance tolerance | Quantity |