**RX-27**

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| **I. Features**1.       Good heat-durability, Low temperature coefficient, low noise, high load power, high insulating capacity, nonflammability. 2.       Operating ambient temperature:-55℃~+275℃ **II. Dimension and Structure**       http://www.zip-2002.ru/jpg/image.php?id=1900http://www.zip-2002.ru/jpg/image.php?id=940

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| **Type** | **Dimension(mm)** | **Resistance Range** |
| **Power** | **W±1** | **H±1** | **L±1** | **d±0.05** |   |   |
| **Wire-wound** | **Oxide rod** |
| SQP1W | 6 | 6 | 13 | 0.6 | 0.1Ω-300Ω | 110Ω-100KΩ |
| SQP2W | 7 | 7 | 18 | 0.6 | 0.1Ω-300Ω | 110Ω-100KΩ |
| SQP3W | 8 | 8 | 22 | 0.75 | 0.1Ω-300Ω | 130Ω-100KΩ |
| SQP5W | 10 | 9 | 22 | 0.75 | 0.1Ω-300Ω | 200Ω-100KΩ |
| SQP7W | 10 | 9 | 35 | 0.75 | 0.1Ω-300Ω | 240Ω-100KΩ |
| SQP10W | 10 | 9 | 48 | 0.75 | 0.1Ω-300Ω | 300Ω-100KΩ |
| SQP15W | 12.5 | 12.5 | 48 | 0.75 | 0.1Ω-300Ω | 300Ω-100KΩ |
| SQP20W | 13 | 13 | 64 | 0.75 | 0.1Ω-300Ω | 300Ω-100KΩ |
| SQP25W | 13 | 13 | 64 | 0.75 | 0.1Ω-300Ω | 300Ω-100KΩ |
| SQP30W | 19 | 20 | 76 | 0.8 | 1Ω-300Ω | 300Ω-100KΩ |
| SQP40W | 19 | 20 | 90 | 1.0 | 1Ω-300Ω | 300Ω-100KΩ |
| SQP50W | 20 | 20 | 90 | 1.0 | 1Ω-300Ω | 300Ω-100KΩ |
| SQP100W | 25 | 25 | 135 | 1.0 | 1Ω-300Ω | 300Ω-100KΩ |

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**III. Derating Curve and Surface Temperature Rise Curve**http://www.zip-2002.ru/jpg/image.php?id=941   http://www.zip-2002.ru/jpg/image.php?id=942**IV. Electrical Characteristics**

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| **Item** | **Performance requirement** | **Test methods** |
| Temperature Coefficient: | Wire coiling:-300ppm/℃≤ a ≤+300ppm/℃ Oxide rod:-350ppm/℃≤ a ≤+350ppm/℃ | JIS5202-5.2-55℃ to +155℃ T.C.R=(R2-R1)×10?6/ R1 ×(T2-T1)(PPM/℃) R1:Resistance value at room temperature(T1);R2:Resistance value at room temperature+100℃(T2) |
| Short time overload: | ΔR≤±(2% R0+0.1Ω) | JIS5202-5.52.5times RCWV for 5 seconds |
| Resistance to soldering heat: | ΔR≤ ±(1%R0+0.05Ω) | JIS5202-6.4350℃±10℃ for3±0.5 seconds |
| Solderability: | The area of soldering is over 95% | JIS5202-6.5235℃for5±0.5 seconds |
| Temperature cycling: | ΔR≤± (5% R0+0.1Ω) | JIS5202-7.4→65℃→room temp. →150℃→room temp.for 5 cycles |
| Load life in moisture: | ΔR≤±(5% R0+0.1Ω) | JIS5202-7.940±2℃,90~95% RH at RCWV for 1000 hrs.(1.5 hrs. on, 0.5 hrs. off) |
| Nonflammability: | No visible flame | SJ3272-4.2 |

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