



Power Wirewound Resistors, Flameproof, coated, axial

Specifications

| Type | | RX0207W5 | RX04101W | RX04102W | RX05151W | RX05123W | RX06133W | RX05163W | RX07163W | RX06163W5 | RX07164W | RX09265W | RX08205W5 | RX10266W | RX10348W | RX103410W | RX104010W | RX104012W | RX104812W |
|---|------------------------|---|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|-----------|----------|----------|-----------|-----------|------------|------------|
| Nominal Power rating P_{70} P_{40} | W | 0,5 0,6 | 1 1,1 | 2 2,4 | 1 1,1 | 3 3,4 | 3 3,4 | 3 3,4 | 3 3,4 | 3,5 4 | 4 4,5 | 5 5,7 | 5,5 6 | 6 7 | 8 9 | 10 11 | 10 11 | 12 13,5 | 12 13,5 |
| Resistance range | Ω | See next page | | | | | | | | | | | | | | | | | |
| E-series | | E24 | | | | | | | | | | | | | | | | | |
| Tolerances | % | ± 5 , (± 1 on request) | | | | | | | | | | | | | | | | | |
| Temperature coefficient | $10^{-6} \cdot K^{-1}$ | 0R05 – 4R9 -400 / +1000 5R – 9R9 ± 700 $\geq 10R \pm 250$ | | | | | | | | | | | | | | | | | |
| Max. cont. working voltage | V_{RMS} | $\sqrt{P_{70} \cdot R}$ | | | | | | | | | | | | | | | | | |
| Derating Linear | $^{\circ}C$ | 70 ...275 (0W) | | | | | | | | | | | | | | | | | |
| Temperature range | $^{\circ}C$ | -55...+275 | | | | | | | | | | | | | | | | | |
| Failure Rate (Total ϑ_0 max, 60% conf. lev.) | $10^{-9} \cdot h^{-1}$ | 100 | | | | | | | | | | | | | | | | | |
| Endurance (P_{70} , @70 $^{\circ}C$, 1000) | $[\Delta R/R] \%$ | ± 5 | | | | | | | | | | | | | | | | | |
| Damp heat, steady state (40 $^{\circ}C$, 93% r.h., 56d) | $[\Delta R/R] \%$ | ± 5 | | | | | | | | | | | | | | | | | |
| Climatic sequence | $[\Delta R/R] \%$ | ± 5 | | | | | | | | | | | | | | | | | |
| Terminal strength | $[\Delta R/R] \%$ | ± 1 | | | | | | | | | | | | | | | | | |
| Surface temp. Rise | $^{\circ}C$ | < 250 | | | | | | | | | | | | | | | | | |
| Terminal tensile strength | N | 10 | | | | | | | | | | | | | | | | | |
| Resistance to soldering heat (260 $^{\circ}C$, 10s) | $[\Delta R/R] \%$ | ± 2 | | | | | | | | | | | | | | | | | |
| Solderability | | min. 95% coverage | | | | | | | | | | | | | | | | | |
| Coating Color | | Grey | | | | | | | | | | | | | | | | | |
| Marking | | 0207 ... 0716 Color code / 0926 ... 1048 printed in clear | | | | | | | | | | | | | | | | | |

Features:

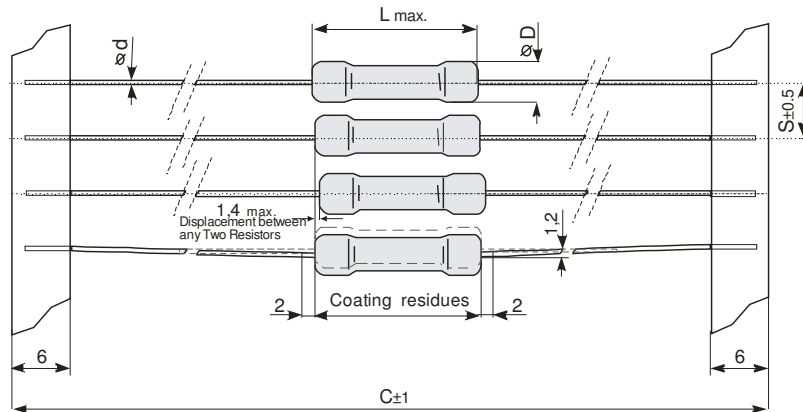
Available in non-inductive styles with Aryton Perry winding for lowest reactive components (Series RN)

Ordering example: RX06133W 5 T 100R
 Type Tolerance Pack-Code R-Value

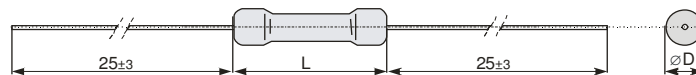
Revision 200912

| Type | Resistance range | Dimensions | | |
|-----------|------------------|------------|---------------|-------------------|
| | 5% (J) | L max. | ϕD max. | $\phi d \pm 0,05$ |
| RX0207W5 | 0R1 ... 220R | 6,2 | 2,5 | 0,60 |
| RX04101W | 0R05 ... 390R | 10,0 | 3,9 | 0,70 |
| RX04102W | 0R05 ... 390R | 10,0 | 3,9 | 0,70 |
| RX05151W | 0R1 ... 220R | 15,0 | 5,0 | 0,80 |
| RX05123W | 0R1 ... 2K2 | 12,0 | 5,0 | 0,80 |
| RX06133W | 0R05 ... 2K2 | 13,0 | 5,5 | 0,80 |
| RX05163W | 0R1 ... 220R | 15,5 | 5,5 | 0,80 |
| RX07163W | 0R1 ... 2K2 | 16,0 | 6,5 | 0,80 |
| RX06163W5 | 0R1 ... 220R | 16,0 | 6,0 | 0,80 |
| RX07164W | 0R1 ... 2K2 | 16,0 | 6,5 | 0,80 |
| RX09265W | 0R33 ... 4K7 | 26,0 | 9,0 | 0,80 |
| RX08205W5 | 0R33 ... 4K7 | 20,0 | 7,5 | 0,80 |
| RX10266W | 0R33 ... 4K7 | 26,0 | 9,5 | 0,80 |
| RX10348W | 0R47 ... 10K | 34,0 | 10,0 | 1,0 |
| RX103410W | 0R47 ... 10K | 34,0 | 10,0 | 1,0 |
| RX104010W | 0R68 ... 22K | 40,0 | 10,0 | 1,0 |
| RX104012W | 0R68 ... 22K | 40,0 | 10,0 | 1,0 |
| RX104812W | 1R ... 30K | 48,0 | 10,0 | 1,0 |

RX0207..RX0716



RX0820..RX1048



| Type | Packaging | (C) | (S) | Pieces | Pack-Code |
|-----------|-----------|-------|-------|--------|-----------|
| RX0207W5 | Taped | 65 | 5 | 5000 | T |
| RX04101W | Taped | 65 | 5 | 2000 | T |
| RX04102W | Taped | 65 | 5 | 2000 | T |
| RX05151W | Taped | 65 | 10 | 1000 | T |
| RX05123W | Taped | 65 | 10 | 1000 | T |
| RX06133W | Taped | 65 | 10 | 1000 | T |
| RX05163W | Taped | 65 | 10 | 500 | T |
| RX07163W | Taped | 65 | 10 | 500 | T |
| RX06163W5 | Taped | 65 | 10 | 500 | T |
| RX07164W | Taped | 65 | 10 | 500 | T |
| RX09265W | bulk | ----- | ----- | 100 | B |
| RX08205W5 | bulk | ----- | ----- | 100 | B |
| RX10266W | bulk | ----- | ----- | 100 | B |
| RX10348W | bulk | ----- | ----- | 100 | B |
| RX103410W | bulk | ----- | ----- | 100 | B |
| RX104010W | bulk | ----- | ----- | 100 | B |
| RX104012W | bulk | ----- | ----- | 50 | B |
| RX104812W | bulk | ----- | ----- | 50 | B |