

## Power Wirewound Resistors

### Ceramic rod, UL 94 - V0, Flameproof coating



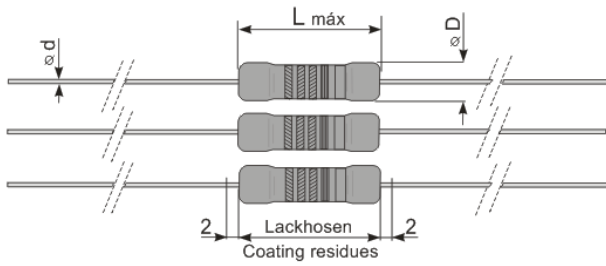
#### ELECTRICAL SPECIFICATIONS

		RX0207W5	RX04101W	RX05122W	RX06133W	RX07164W	RX07185W	RX10266W
Type								
Nominal Power rating	$P_{40}$	0,5	1	2	3	4	5	6
	$P_{70}$	0,6	1,1	2,4	3,4	4,5	5,7	7
Resistance range	Min	0R1	0R05	0R1	0R05	0R1	0R1	0R33
	Max	100R	1K0	2K2	2K2	2K2	6K8	6K8
E-Series		E24						
Tolerances	± [%]	5 (1 on request)						
Temperature coefficient	± [ $10^{-6} \cdot K^{-1}$ ]	300						
Temperature range	[°C]	-55 ... + 275						
Thermal resistance	[ $KW^{-1}$ ]	260	130	65	43	33	26	22
Insulation voltage (1min.) IEC115-1 clause 2.2.17	[V]	max 500						

#### PERFORMANCE DATA

Max. working voltage <i>IEC115-1 clause 2.2.16</i>	[V] <sub>RMS</sub>	$\sqrt{P_{70} \cdot R}$
Derating linear <i>IEC115-1 clause 2.2.24</i>	[°C]	70...275 (0W)
Climatic category <i>IEC68-1</i>		55/275/56
Failure Rate <i>(Total, <math>\theta_0</math>, max, 60% cont. lev.)</i>	[ $10^{-9} h^{-1}$ ]	100
Endurance <i>(<math>P_{70}</math> 70°C, 1000h) <i>IEC115-1 clause 4.25</i></i>	[ $\Delta R/R$ ] %	5,0
Damp heat, steady state <i>(40°C, 93% r.h., 56d) <i>IEC115-1 clause 4.24</i></i>	± [%]	5,0
Climatic sequence <i>IEC115-1 clause 4.23</i>	± [%]	5,0
Short time overload <i>IEC115-1 clause 4.13</i>	± [%]	2,0
Terminal strength	± [%]	1,0
Terminal Tensile Strength	[N]	24,5
Resistance to soldering heat <i>(260°C, 3,5s) <i>IEC115-1 clause 4.12</i></i>	± [%]	2,0
Solderability <i>IEC 60068-2-20-T</i>		Min. 95[%] coverage
Marking <i>IEC60062</i>		colour code
Feature		Available in non-inductive styles with Aryton Perry winding (Series RN)

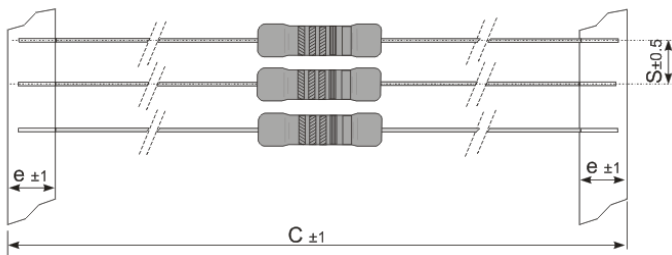
**DIMENSIONS [mm]**



Type	L <sub>MAX</sub>	∅ D <sub>MAX</sub>	∅ d ±0,05
RX0207W5	6,8	2,6	0,55
RX04101W	10,0	3,9	0,70
RX05122W	12,5	5,0	0,80
RX06133W	13,0	5,5	0,80
RX07164W	16,5	6,0	0,80
RX07185W	18,5	7,0	0,80
RX10266W	26,0	9,0	0,80

**PACKAGING**

The standard packaging for RX / RN in axial type is taped, dimensions below.



Type	Packaging	Pieces	Pack code	C	S	e
RX0207W5	Taped / Ammo pack	5.000	T	65	5	6
RX04101W		1.000		65	5	6
RX05122W		1.000		65	10	6
RX06133W		1.000		65	10	6
RX07164W		1.000		65	10	6
RX07185W		500		65	10	6
RX10266W		250		105	10	6

Dimensions in [mm]

**ORDERING EXAMPLE**

RX0207W5	5	T	150R
Type	Tolerance	Pack-Code	R-Value