

SMD

Power Wirewound Resistors

Ceramic Rod, Flame retardant coating



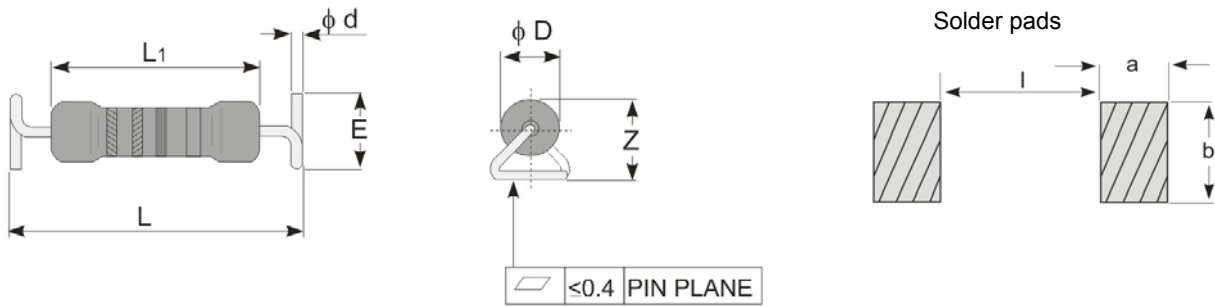
ELECTRICAL SPECIFICATIONS

Type		RZX1	RZX2	RZX3	RZX4	RZX5
<u>Nominal Power rating</u>	P ₄₀	0,5	1	2	3	4
	P ₇₀	0,4	0,9	1,7	2,6	3,5
<u>Resistance range</u>	Min	0R1	0R05	0R1	0R05	0R1
	Max	100R	1K0	2K2	2K2	2K2
<u>E-Series</u>		E24				
<u>Tolerances</u>	± [%]	5(J) ; 1(F) upon request				
<u>Temperature coefficient</u>	± [10 ⁻⁶ *K ⁻¹]	300				
<u>Temperature range</u>	[°C]	-55 ... + 275				
<u>Thermal resistance</u>	[KW ⁻¹]	512	228	120	79	58
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[<i>min</i>])</i>	[V]	500				
<u>Max. working voltage</u>	[V] _{RMS}	$\sqrt{P_{70} * R}$				

PERFORMANCE DATA

<u>Derating linear</u>	[°C]	70...275 (0W)
<u>Climatic category</u>		55/275/56
<u>Failure Rate</u> <i>(Total, g_o, max, 60% cont. lev.)</i>	[10 ⁻⁹ h ⁻¹]	100
<u>Endurance</u> <i>IEC60115-1 clause 4.25 (P₇₀, @ 70[°C], 1000[h])</i>	± [%]	5,0
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])</i>	± [%]	5,0
<u>Climatic sequence</u> <i>IEC115-1 clause 4.23</i>	± [%]	5,0
<u>Short Time Overload</u> <i>IEC60115-1 clause 4.13 (U = $\sqrt{10 \times P_{70} \times R}$, 5 [s])</i>	± [%]	2,0
<u>Terminal strength</u>	± [%]	1,0
<u>Terminal Tensile Strength</u>	[N]	24,5
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.12 (260[°C], 3,5[s])</i>	± [%]	2,0
<u>Solderability</u> <i>IEC 60068-2-20 (245^{±3}[°C] 3^{±0,3}[s])</i>		Solder bath method (> 95% coverage)
<u>Marking</u> <i>IEC60062</i>		Color code
<u>Feature</u>		Available in non-inductive styles with Aryton Perry winding (Series RN)

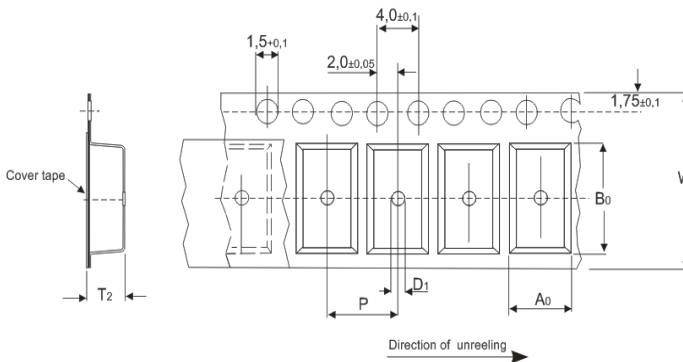
DIMENSIONS [mm]



Type	Size	L	L ₁ max.	∅ D max	∅ d ^{±0,05}	E	Z max	l	a	b
RZX1	5315	13,4 ^{±0,5}	6,8	2,9	0,55	4,5 ^{±0,5}	7,0	10	10	10
RZX2	6720	17,0 ^{±1}	10,0	3,9	0,70		7,5	14		
RZX3	6720		0,80	12,5	5,0	5,0 ^{±0,5}	8,0	16		
RZX4	6720			13,0	5,5					
RZX5	8424	20,9 ^{±1}	16,5	6,0						

PACKAGING (dimensions [mm])

The standard packaging for RZX type is blister tape, as showed below



Size	5315	6720	8424
A0	5,0	5,7	6,0
B0	13,7	16,7	21,4
W	24	24	32
D1	2,0	2,0	2,0
P	8	8	12
T2	7,2	7,6	8,1



Size	W ₁	W ₂	N	A
5315	25,4	29,5	90	330
6720				
8424	33,4	37,4	100	380

Size	Packaging	Pieces
5315	13 [inch] Blister tape	1000
6720		
8424	15 [inch] Blister tape	

ORDERING EXAMPLE

RZX3	6720	J	K	-	13	220R
Type	Size	Tolerance	Blister tape reel	TC	Reel diameter	R-Value