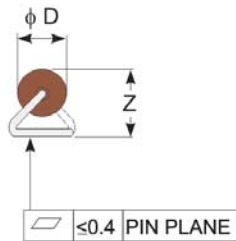
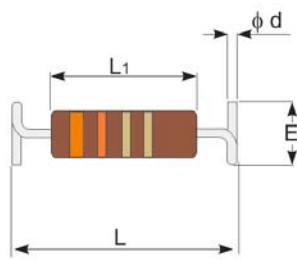


**SMD**  
**Insulated wirewound Resistors**  
**Fiber glass core**  
**Bakelite Moulded case**

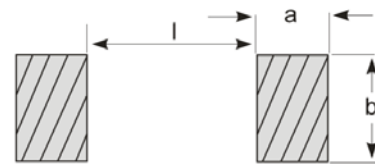


ELECTRICAL SPECIFICATIONS			RZB4	RZB5
Type				
Nominal Power rating	P <sub>25</sub> P <sub>70</sub>	[W]	1,1 0,75	2,1 1,5
Resistance range		[Ω]	0R1 ... 1K2	0R1 ... 2K4
E-Series			E24 (5[%]), E12 (10[%])	
Tolerances		± [%]	5 (J) ; 10 (K),	
Temperature coefficient		[10 <sup>-6</sup> *K <sup>-1</sup> ]	*Depends on the value, please check the table below	
Temperature range		[°C]	-55 ... +175	
Thermal resistance		[KW <sup>-1</sup> ]	140	80
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[min])</i>		[V] <sub>Dc</sub>	700	1000
<u>Max. working voltage</u>		[V] <sub>RMS</sub>	$\sqrt{P_{70} * R}$	
<u>Insulation resistance</u> <i>IEC115-1 clause 4.6</i>		[MΩ]	> 10 <sup>4</sup>	
PERFORMANCE DATA				
<u>Derating linear</u>		[°C]	70...175 (0W)	
<u>Climatic category</u>			55/175/56	
<u>Failure Rate</u> <i>(Total, g<sub>o</sub>, max, 60% cont. lev.)</i>		[10 <sup>-9</sup> h <sup>-1</sup> ]	appr. 100 depends on value	
<u>Endurance</u> <i>IEC60115-1 clause 4.25 (P<sub>70</sub>, @ 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>		± [%]	2,0	
<u>Terminal Tensile Strength</u>		[N]	40	
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.12 (260[°C], 10[s])</i>		± [%]	0,2	
<u>Solderability</u> <i>IEC 60068-2-20 (245<sup>±3</sup>[°C] 3<sup>±0,3</sup>[s])</i>		[s]	Solder bath method (min. 95[%] coverage)	
<u>Marking</u> <i>IEC60062</i>			Color code	

**DIMENSIONS [mm]**



**Solder Pads**



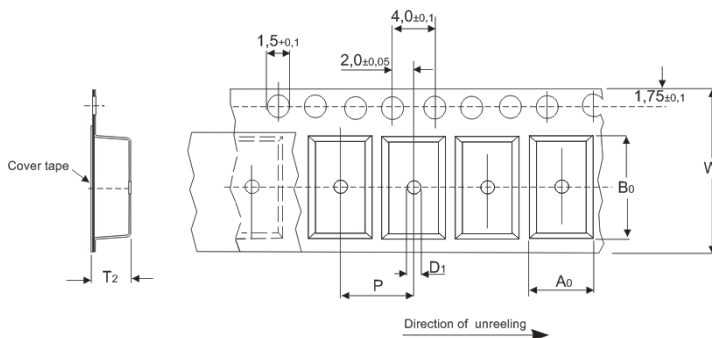
Type	Size	L	L <sub>1</sub>	Ø D	Ø d ±0,02	E	Z max	l	a	b
RZB4	6720	17 ±1,0	9,9±0,2	3,6±0,2	0,8	5,0±0,5	7,5	14	10	10
RZB5	8424	20,9±1,0	14,3±0,2	5,7±0,2	1,0		8,0			

**ELECTRICAL PERFORMANCE**

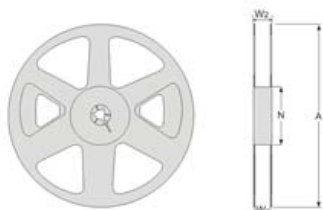
Temperature coefficient [ppm K <sup>-1</sup> ]			
RZB4		RZB5	
TC ±600	0R1...0R15	TC ±1000	0R1...0R16
TC ±300	0R16...0R62	TC ±800	0R18...0R68
TC ±150	0R68...1K2	TC ±400	0R75...2K4

**PACKAGING**

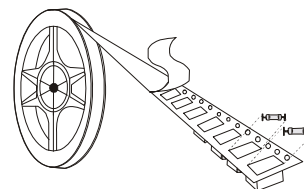
The standard packaging for RZB type is blister tape, as showed below



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



Size	W <sub>1</sub>	W <sub>2</sub>	N	A
6720	25,4	29,5	90	330
8424	33,4	37,4	100	380



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

**ORDERING EXAMPLE**

RZB4	6720	J	K	-	13	220R
Type	Size	Tolerance	Blister tape reel	TC	Reel diameter	R-Value