

SMD

Metal glaze film resistors
High ohmic / High voltage
Flameproof coating



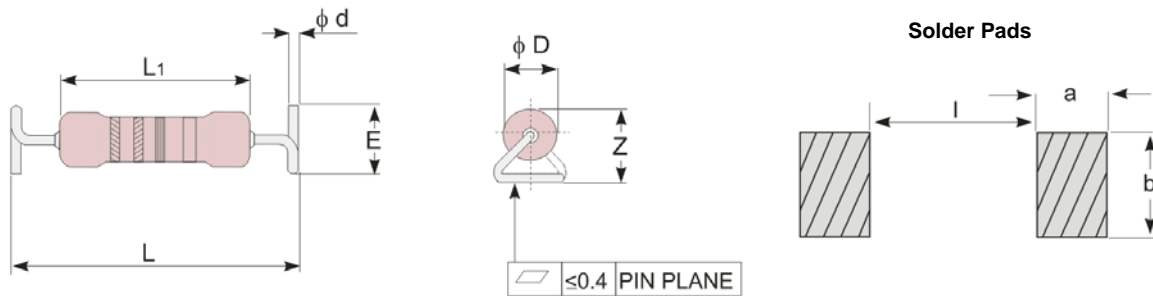
ELECTRICAL SPECIFICATIONS

Type		RZV1	RZV2	RZV3	RZV4
Nominal Power rating P_{70}	[W]	0,25	0,5	1,0	3,0
Resistance range	[Ω]	10K...100M (Higher values upon request)			
E-Series		E24		E24, E96	
Tolerances	± [%]	1(F) [E24,E96]; 5(J) [E24]			
Temperature coefficient	[$10^{-6} \times K^{-1}$]	± 200			
Temperature range	[°C]	-55 ... +155			
Thermal resistance	[KW^{-1}]	340	170	85	28
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[<i>min</i>])</i>	[V] _{RMS}	300	500	600	600
<u>Max. working voltage</u>	[V] _{RMS}	1600	3500	5000	7000
<u>Max. Overload voltage</u>	[V] _{RMS}	3000	7000	10000	14000

PERFORMANCE DATA

<u>Derating linear</u>	[°C]	70...155 (0W)			
<u>Climatic category</u>		55/155/56			
<u>Max. cont. surface temperature</u>	[°C]	155			
<u>Short Time Overload</u> <i>IEC60115-1 clause 4.13</i> <i>($U = \sqrt{6,25 \times P_{70} \times R}$, 5 [s])</i>	± [%]	2,0			
<u>Endurance</u> <i>IEC60115-1 clause 4.25</i> <i>(P_{70}, @ 70[°C], 1000[h])</i>	± [%]	5,0			
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24</i> <i>(40[°C], 93[% r.h.], 56[d])</i>	± [%]	5,0			
<u>Thermal Shock</u> <i>IEC60115-1 clause 4.19</i> <i>(-55[°C] ~ 150[°C], 3 [min] 100 cycles)</i>	± [%]	1,0			
<u>Terminal Tensile Strength</u>	[N]	50			
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.18</i> <i>(350^{±5}[°C], 3^{±1}[s])</i>	± [%]	1			
<u>Solderability</u> <i>IEC 60068-2-20-T</i> <i>(245^{±5}[°C], 3^{±0,5}[s])</i>		Solder bath method (> 95% coverage)			
<u>Marking</u> <i>IEC60062</i>		Color code			

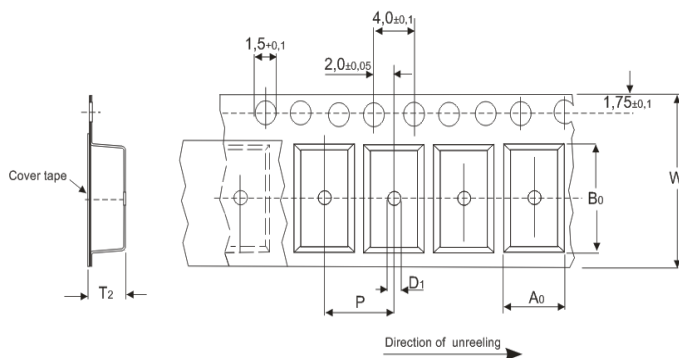
DIMENSIONS [mm]



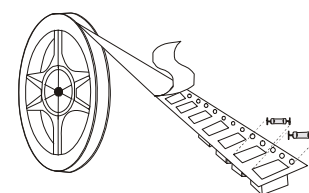
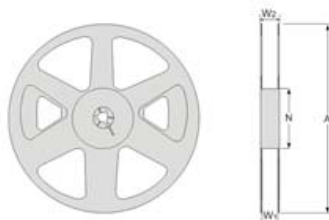
Type	Size	L	L ₁ max.	Ø D max	Ø d $\pm 0,02$	E	Z max	l	a	b
RZV1	5315	13,4 $\pm 0,5$	6,3	2,4	0,55	4,5 $\pm 0,5$	7,0	10	10	10
RZV2	6720	17,0 $\pm 1,0$	9,5	3,5		0,8	5,0 $\pm 0,5$	7,5		
RZV3	6720		12,5	5,0	8,0			16		
RZV4	8424	20,9 $\pm 1,0$	16,5	5,5						

PACKAGING (dimensions [mm])

The standard packaging for RZV 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

RZV2	6720	J	K	-	13	10K
Type	Size	Tolerance	Blister tape reel	TC	Reel diameter	R-Value