

SMD

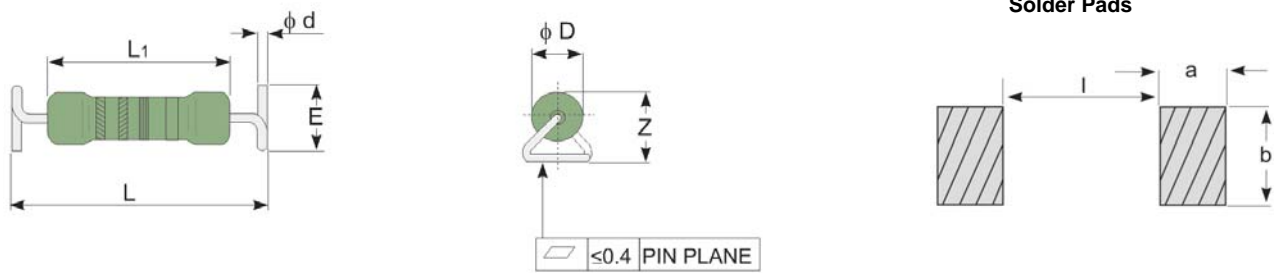
Power Metal Oxide Resistors

Flame retardant coating



ELECTRICAL SPECIFICATIONS					
Type		RZP5	RZP4	RZP3	RZP0
<u>Nominal Power rating</u> P ₇₀	[W]	1	2		3
<u>Resistance range</u>	[Ω]	0R1...10M	0R1...10M	0R22...10M	0R22...560K
<u>E-Series</u>		E24 ; E96		E24 ; E48	E24 ; E96
<u>Tolerances</u>	± [%]	1(F); 2(G); 5(J)			
<u>Temperature coefficient</u>	[10 ⁻⁶ *K ⁻¹]	SEE NEXT PAGE			
<u>Temperature range</u>	[°C]	-55 ... +200	-55 ... +235		-55 ... +250
<u>Thermal resistance</u>	[KW ⁻¹]	130	83		93
<u>Dielectric withstanding voltage</u> IEC115-1 clause 4.7 (1[<i>min</i>])	[V] _{RMS}	500			
<u>Max. working voltage</u>	[V] _{RMS}	500			750
PERFORMANCE DATA					
<u>Derating linear</u>	[°C]	SEE NEXT PAGE			
<u>Climatic category</u>		55/200/56			
<u>Failure Rate</u> (Total, ϑ_0 , max, 60% cont. lev.)	[10 ⁻⁹ h ⁻¹]	<10			
<u>Endurance</u> IEC60115-1 clause 4.25 (P ₇₀ , @ 70[°C], 1000[h])	± [%]	2,0			1,5
<u>Damp heat, steady state</u> IEC115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])	± [%]	2,0			1,5
<u>Climatic sequence</u> IEC115-1 clause 4.23	± [%]	1,0			
<u>Terminal strength</u>	± [%]	0,3			
<u>Terminal Tensile Strength</u>	[N]	40			
<u>Resistance to soldering heat</u> IEC115-1 clause 4.18 (260 ^{±5} [°C], 3,5 ^{±1} [s])	± [%]	0,25			
<u>Solderability</u> IEC 60068-2-20-T (245 ^{±5} [°C], 3 ^{±0.5} [s])		Solder bath method (> 95% coverage)			
<u>Current noise</u> IEC60195	[db]	R <15K: -15 R>: 15 +10 /decade			
<u>Nonlinearity</u> IEC60440	[db]	R <15K: 110 R> 15 K: 110 -20 /decade			
<u>Marking</u> IEC60062		Color Code			Printed in clear

DIMENSIONS [mm]



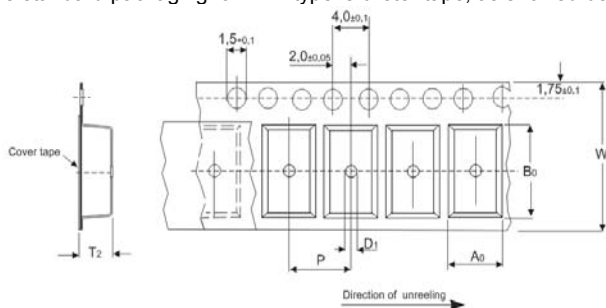
Type	Size	L	L ₁	Ø D	Ø d	E	Z max	l	a	b
RZP5	5315	13,4 ^{±0,5}	6,3 ^{±0,5}	2,4 ^{±0,2}	0,6 ^{-0,1}	4,5 ^{±0,5}	7,0	10	10	10
RZP4			9,0 ^{±0,5}	3,9 ^{±0,3}						
RZP3	6720	17,0 ^{±1,0}	11,5 ^{±1,0}	4,5 ^{±0,5}	0,8 ^{±0,05}	5,0 ^{±0,5}	7,5	14	10	10
RZP0	8424	20,9 ^{±1,0}	16,5 ^{-1,5}	6,0 ^{-0,5}			8,0			

TEMPERATURE COEFFICIENT

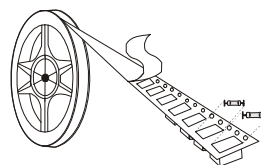
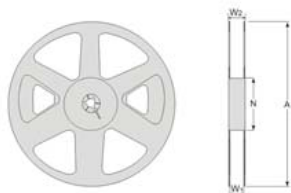
RZP55315 R-Value	RZP45315 R-Value	RZP36720 R-Value	RZP08424 R-Value	E-series	Tolerance	TC [10 ⁻⁶ K ⁻¹]
-----	-----	0R22 ... 10M	0R22 ... 560K	E 24	± 5%	± 200
0R1 ... 10M	0R1 ... 10M	-----	-----	E 24	± 5%	± 100
-----	-----	1R ... 1M	1R ... 100K	E 24 / E 48	± 2%	± 200
1R ... 10M	1R ... 10M	-----	-----	E 24 / E 96	± 1%	± 50

PACKAGING

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



Size	5315	6720	8424
A0	5,0	5,7	6,0
B0	13,7	17,5	21,4
W	24	24	32
D1	2	2	2
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

RZP3	6720	J	K	-	13	10K
Type	Size	Tolerance	Blister tape reel	TC	Reel diameter	R-Value