

Axial Cemented Wirewound Resistors



FEATURES

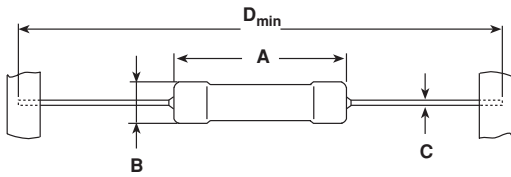
- All welded construction
- Non flammable cement coating
- Ceramic core
- Various kinds of lead forming available

STANDARD ELECTRICAL SPECIFICATIONS				
MODEL	POWER RATING $P_{40^{\circ}\text{C}}$ W	TOLERANCE ± %	RESISTANCE RANGE E12/E24 ¹⁾ Ω	
			TC -10...-80 ppm/K ²⁾	TC 100...180 ppm/K
Z301	1	10 5 2 1	R30 - 100R R30 - 100R - -	R68 - 2K0 R68 - 2K0 - -
ZDA0411	2	10 5 2 1	R47 - 560R R47 - 560R on request on request	1R5 - 4K3 1R5 - 4K3 - -
Z302	3	10 5 2 1	R10 - 510R R10 - 510R R22 - 510R 1R0 - 510R	1R8 - 3K3 24R - 3K3 - -
Z303	4	10 5 2 1	R10 - 1K0 R10 - 1K0 R10 - 1K0 1R0 - 1K0	1R8 - 3K9 12R - 3K9 - -
Z305	6	10 5 2 1	R10 - 2K4 R10 - 2K4 1R0 - 2K4 1R0 - 2K4	3R9 - 10K 10R - 10K - -
Z306	8	10 5 2 1	R10 - 4K7 R10 - 4K7 1R0 - 4K7 2R2 - 4K7	6R8 - 16K 6R8 - 16K - -
Z307	10	10 5 2 1	R20 - 8K2 R20 - 8K2 1R0 - 8K2 3R3 - 8K2	12R - 30K 12R - 30K - -

1) Lower TC or other power range on request

2) $\leq 1\Omega$ TC $\leq 400 \cdot 10^{-6}/K$

ORDERING INFORMATION				
Z305	3	100R	± 5%	AB
MODEL	CLASS	RESISTANCE VALUE Ω	TOLERANCE ± %	PACKAGING For Packaging See appropriate catalog or web page

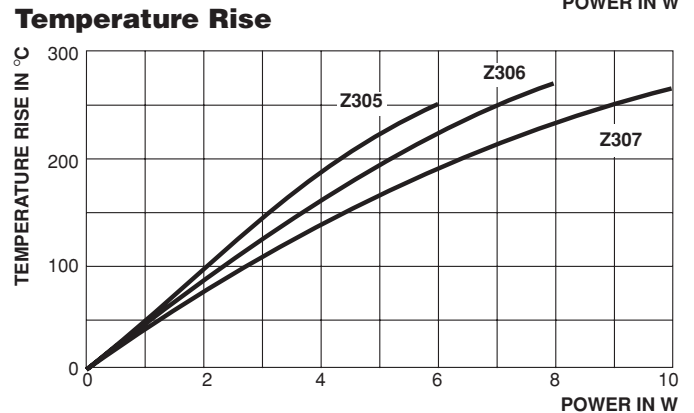
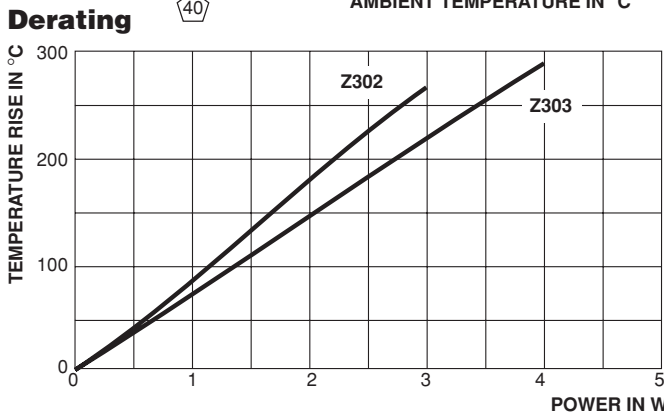
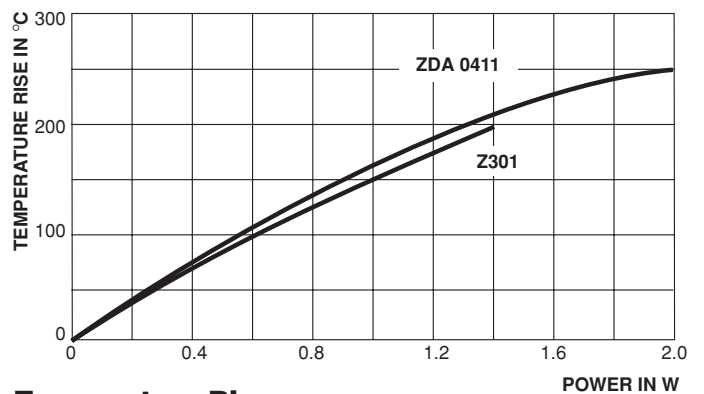
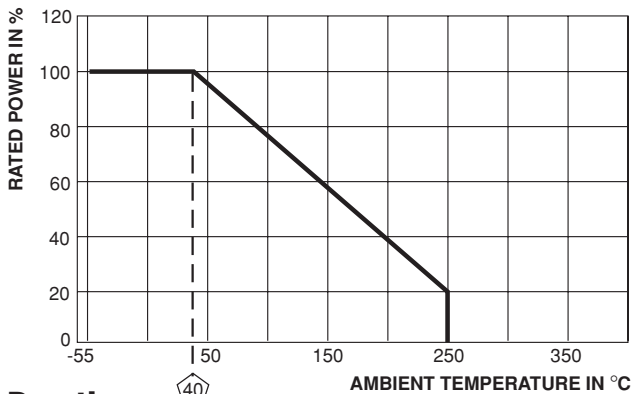
DIMENSIONS


MODEL	DIMENSIONS in millimeters [inches]				
	A	B	C	D _{min}	WEIGHT (g)
Z301	8.5 [0.355]	3 [0.118]	0.7 [0.7]	53±1 [2.087±0.039]	0.5
ZDA0411	11 [0.433]	4 [0.157]	0.7 [0.7]	53±1 [2.087±0.039]	0.8
Z302	13 [0.512]	4.8 [0.189]	0.8 [0.8]	53±1 [2.087±0.039]	1.1
Z303	15.8 [0.622]	5.5 [0.217]	0.8 [0.8]	53±1 [2.087±0.039]	1.4
Z305	22.3 [0.878]	8.7 [0.343]	0.8 [0.8]	83±1 [3.268±0.039]	3.7
Z306	32.3 [1.272]	8.7 [0.343]	0.8 [0.8]	83±1 [3.268±0.039]	5
Z307	49.8 [1.961]	9 [0.354]	0.8 [0.8]	120±2 [4.724±0.079]	7

For packaging dimensions see appropriate catalog or web page.

PERFORMANCE

TEST	TEST RESULTS
Damp Heat, Steady State 56 days	± 3 % ΔR
Climatic Sequence	± 3 % ΔR
Load Life 5000 h	± 3 % ΔR
Short Time Overload, 5 x rated power x 5 sec	± 1 % ΔR
Vibration	± 1 % ΔR
Shock	± 1 % ΔR
Resistance to Soldering Heat	± 1 % ΔR


Temperature Rise
Temperature Rise