


MATERIAL DECLARATION



Product Part Number	ZV Series	
Product Line	Low voltage SMD varistors	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material / Substances	CASRN if applicable	Material Mass [%]	Material Mass [%] of total unit wt.	Subpart mass of total wt. [%]
1	Ceramic body	Ceramic	0.022610	Zinc oxide	1314-13-2	91.5	66.0845	72.2368
				Dibismuth-trioxide	1304-76-3	3.0	2.1590	
				Antimonytrioxide	1309-64-4	3.0	2.1590	
				Tricobalt-tetraoxide	1308-06-1	1.5	1.0795	
				Trimanganese tetraoxide	1317-35-7	0.6	0.4675	
				Chromium(III)oxide	1308-38-9	0.3	0.2151	
2	Inner electrodes	AgPd alloy	0.001453	Silver	7440-22-4	90	4.1789	4.6432
				Palladium	7440-05-3	10	0.4643	
3	Ag termination	Silver	0.006611	Silver	7440-22-4	97.0	20.4825	21.1221
				Glass frit, lead containing	65997-18-4	3.0	0.6396	
4	Nickel plating	Nickel	0.000208	Nickel	7440-02-0	100	0.6659	0.6659
5	Tin plating	Tin	0.000417	Tin	7440-31-5	100	1.3319	1.3319
		Total weight	0.03130					

This Document was updated on: December, 2020

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Presented data corresponds to part **ZV30K1206**. Weight may change depending on varistor value and dimension.