


MATERIAL DECLARATION SHEET



Product Part Number	EV Series	
Product Line	MOV PLM	

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	2.2068	Zinc oxide	1314-13-2	88.8	49.753685	56.09
				Bismuth trioxide	1304-76-3	5.0	2.801446	
				Antimony trioxide	1309-64-4	3.0	1.680868	
				Tricobalt tetraoxide	1308-06-1	1.2	0.672347	
				Manganese-oxide	1317-35-7	0.4	0.224116	
				Chromium III oxide	1308-38-9	0.8	0.448231	
				Nickel oxide	11099-02-8	0.8	0.448231	
2	Silver electrode	Silver	0.0354	Silver	7440-22-4	97.5	0.875251	0.90
				Glass frit, lead containing	7439-92-1	2.5	0.022442	
3	Solder	Solder SAC	0.1470	Tin	7440-31-5	95.5	3.564189	3.74
				Silver	7440-22-4	3.8	0.141821	
				Copper	7440-50-8	0.7	0.026125	
4	Terminals	Tinned Cu-ETP1	0.8070	Copper	7440-50-8	99.0	20.283775	20.51
				Tin	7440-31-5	1.0	0.204887	
5	Epoxy coating	Epoxy resin	0.7381	Epoxy resin	25036-25-3	43.2	8.104581	18.76
				Silica, vitreous	60676-86-0	30.6	5.740745	
				Phenolic resin	300371-38-4	18.6	3.489472	

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				Cupric oxalate	814-91-5	7.6	1.425806	
		Total weight	3.9343					

This Document was updated on: May, 2022

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Presented data corresponds to part **EV175K20**. Weight may change depending on varistor value and dimension.