

MATERIAL DECLARATION SHEET



Material Number	1250A-series		
Product Line	SPD		
Compliance Date	Sep 2023		
RoHS Compliant	Yes	MSL	1

NO	Construction Element (subpart)	Homogeneous Materials	Material weight [g]	Homogeneous Material	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt • (%)
				Substances	if applicable			
1	Varistor	Ceramic	47.8	Zinc oxide	1314-13-2	99.00%	20.16%	20.37%
				Manganese oxide	1344-43-0	0.25%	0.05%	
				Nickel oxide	1313-99-1	0.25%	0.05%	
				Cobalt oxide	1307-96-6	0.25%	0.05%	
		Bismuth trioxide	1304-76-3	0.25%	0.05%			
		Termination	2	Silver	7440-22-4	100.00%	0.85%	0.85%
2	Plastic shell	PBT	99.2	Polybutylene terephthalate	63440-93-7	80.00%	33.81%	42.27%
				Glass fiber	65997-17-3	20.00%	8.45%	
3	Spring	Spring	0.6	Iron	7439-89-6	98.00%	0.25%	0.26%
				Manganese	7439-96-5	0.65%	0.00%	
				Carbon	7440-44-0	0.65%	0.00%	
				Silicon	7440-21-3	0.20%	0.00%	
				Misc not to declare	---	0.50%	0.00%	
4	Switch	Nylon	0.8	PPA	452072-22-9	70.00%	0.24%	0.34%
				Glass fiber	65997-17-3	30.00%	0.10%	
		Plating	0.06	Copper	7440-50-8	82.70%	0.02%	0.03%

MATERIAL DECLARATION



		SUS430 plated	0.1	Nickel	7440-02-0	12.40%	0.00%	0.04%
				Silver	7440-22-4	4.90%	0.00%	
				Carbon	7440-44-0	0.07%	0.00%	
				Manganese	7439-96-5	1.20%	0.00%	
				Silicon	7440-21-3	0.70%	0.00%	
				Phosphorus	7723-14-0	0.02%	0.00%	
				Sulfur	7704-34-9	0.01%	0.00%	
				Nickel	7440-02-0	11.00%	0.00%	
				Chromium	7440-47-3	18.00%	0.01%	
				Iron	7439-89-6	69.00%	0.03%	
		Copper strip C2800	0.04	Copper	7440-50-8	82.70%	0.01%	0.02%
		Nickel		7440-02-0	12.40%	0.00%		
		Silver		7440-22-4	4.90%	0.00%		
		5	Electrode	Copper part	59.4	Copper	7440-50-8	91.55%
Tin	7440-31-5					8.00%	2.02%	
Zinc	31396-84-6					0.30%	0.08%	
Phosphorus	7723-14-0					0.15%	0.04%	
6	Low-temperature alloys	Alloys Solder	1	Tin	7440-31-5	42.00%	0.18%	0.43%
				Bismuth	7440-69-9	58.00%	0.25%	
7	Potting adhesive	Potting adhesive	10	Polydimethylsiloxane	68083-19-2	60.00%	2.56%	4.26%
				Polymethylhydrosiloxane	63148-57-2	5.00%	0.21%	
				Alumina	1344-28-1	24.00%	1.02%	
				Aluminum hydroxide	21645-51-2	10.00%	0.43%	
				Platinum	68478-92-2	0.20%	0.01%	
				Carbon black	1333-86-4	0.80%	0.03%	

MATERIAL DECLARATION



8	Screw	SUS304 Part	13.6	Carbon	7440-44-0	0.07%	0.00%	5.79%
				Manganese	7439-96-5	1.20%	0.07%	
				Silicon	7440-21-3	0.70%	0.04%	
				Phosphorus	7723-14-0	0.02%	0.00%	
				Sulfur	7704-34-9	0.01%	0.00%	
				Nickel	7440-02-0	11.00%	0.64%	
				Chromium	7440-47-3	18.00%	1.04%	
				Iron	7439-89-6	69.00%	4.00%	
9	Ink Printing	Ink	0.1	Epoxy Resins	61788-97-4	60.00%	0.03%	0.04%
				Carbon black	1333-86-4	35.00%	0.01%	
				Other additives	67763-03-5	5.00%	0.00%	
Total			234.7					

This Document was updated on: Sep 2023

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.