


MATERIAL DECLARATION SHEET



Material Number	1260 series			
Product Line	SPD			
Compliance Date	Aug 2023			
RoHS Compliant	Yes	MSL	1	

NO	Construction Element (subpart)	Homogeneous Materials	Material weight [g]	Homogeneous Material	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt • (%)
				Substances				
1	Varistor	Ceramic	112.2	Zinc oxide	1314-13-2	99.00%	38.276%	38.66%
				Manganese oxide	1344-43-0	0.25%	0.097%	
				Nickel oxide	1313-99-1	0.25%	0.097%	
				Cobalt oxide	1307-96-6	0.25%	0.097%	
		Bismuth trioxide	1304-76-3	0.25%	0.097%			
		Termination	4	Silver	7440-22-4	100.00%	1.378%	1.38%
2	Plastic shell	PBT	112	Polybutylene terephthalate	63440-93-7	80.00%	30.875%	38.59%
				Glass fiber	65997-17-3	20.00%	7.719%	
3	Spring	Spring	0.6	Iron	7439-89-6	98.00%	0.203%	0.21%
				Manganese	7439-96-5	0.65%	0.001%	
				Carbon	7440-44-0	0.65%	0.001%	
				Silicon	7440-21-3	0.20%	0.000%	
				Misc not to declare	---	0.50%	0.001%	
4	Switch	Nylon	0.26	PPA	452072-22-9	70.00%	0.063%	0.45%
				Glass fiber	65997-17-3	30.00%	0.027%	
		Plating	0.065	Copper	7440-50-8	82.70%	0.019%	
				Nickel	7440-02-0	12.40%	0.003%	
				Silver	7440-22-4	4.90%	0.001%	
		SUS304	0.78	Carbon	7440-44-0	0.07%	0.000%	
				Manganese	7439-96-5	1.20%	0.003%	

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				Silicon	7440-21-3	0.70%	0.002%	
				Phosphorus	7723-14-0	0.02%	0.000%	
				Sulfur	7704-34-9	0.01%	0.000%	
				Nickel	7440-02-0	11.00%	0.030%	
				Chromium	7440-47-3	18.00%	0.048%	
				Iron	7439-89-6	69.00%	0.185%	
		Copper strip	0.195	Copper	7440-50-8	82.70%	0.056%	
				Nickel	7440-02-0	12.40%	0.008%	
				Silver	7440-22-4	4.90%	0.003%	
5	Copper Electrode	Copper part	18.4	Copper	7440-50-8	91.55%	5.805%	6.34%
				Tin	7440-31-5	8.00%	0.507%	
				Zinc	31396-84-6	0.30%	0.019%	
				Phosphorus	7723-14-0	0.15%	0.010%	
6	Low-temperature alloys	Alloys Solder	1	Tin	7440-31-5	42.00%	0.145%	0.34%
				Bismuth	7440-69-9	58.00%	0.200%	
7	Potting adhesive	Potting adhesive	20	Polydimethylsiloxane	68083-19-2	60.00%	4.135%	6.89%
				Polymethylhydrosiloxane	63148-57-2	5.00%	0.345%	
				Alumina	1344-28-1	24.00%	1.654%	
				Aluminum hydroxide	21645-51-2	10.00%	0.689%	
				Platinum	68478-92-2	0.20%	0.014%	
				Carbon black	1333-86-4	0.80%	0.055%	
8	Screw	SUS304 Part	11.4	Carbon	7440-44-0	0.07%	0.003%	3.93%
				Manganese	7439-96-5	1.20%	0.047%	
				Silicon	7440-21-3	0.70%	0.027%	
				Phosphorus	7723-14-0	0.02%	0.001%	
				Sulfur	7704-34-9	0.01%	0.000%	
				Nickel	7440-02-0	11.00%	0.432%	
				Chromium	7440-47-3	18.00%	0.707%	
				Iron	7439-89-6	69.00%	2.711%	

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9	GDT	metallized porcelain tube	9.3	Aluminum Oxide	1344-28-1	16.63%	0.533%	3.29%
		Iron Nickel Alloy		Iron	7439-89-6	14.05%	0.450%	
				Nickel	7440-02-0			
		Tungsten		Tungsten	7440-33-7	35.26%	1.130%	
		AgCu28		Copper	7440-50-8	23.93%	0.767%	
				Silver	7440-22-4	2.23%	0.071%	
				Copper	7440-50-8			
		Tin layer		Tin	7440-31-5	10.58%	0.339%	
		Total		290.2				

This Document was updated: Aug 2023

Important remarks:

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