

MATERIAL DECLARATION SHEET



Material Number	PF-KT1 Series (15A)			
Product Line	Power Fuses			
Compliance Date	2022/03/01			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Fuse element wire	Silver	0.0471	Silver	7440-22-4	100%	0.508%	0.508%
2	Inner cap-base	Copper	1.1109	Copper	7440-50-8	100%	11.992%	11.992%
3	Inner cap-plating	Tin plating	0.0227	Tin	7440-31-5	100%	0.245%	0.245%
4	Outer cap-base	Copper	2.283414	Copper	7440-50-8	100%	24.650%	24.650%
5	Outer cap-plating	Nickel plating	0.066986	Nickel	7440-02-0	100%	0.723%	0.723%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	24.888%	46.311%
				Aluminum oxide	1344-28-1	34.48%	15.968%	
				Magnesium oxide	1309-48-4	10.32%	4.77(%)	
				Misc., not to declare	-	1.46%	0.676%	
7	Quartz sand	Silica sand	0.65	Tridymite silica	15468-32-3	100%	7.017%	7.017%
8	Solder	SnCu solder	0.114	Tin	7440-31-5	96.723%	1.191%	1.231%
				Copper	7440-50-8	2.277%	0.028%	
				Rosin	8050-09-7	1%	0.012%	
9	Low melting point alloy	SnCu solder	0.0037	Tin	7440-31-5	97.7%	0.039%	0.040%
				Copper	7440-50-8	0.7%	0.000%	
				Rosin	8050-09-7	1.6%	0.001%	

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No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
10	Paper	Paper	0.05	Silicified Microcrystalline	9004-34-6	5.25%	0.02835%	0.540%
				Cellulose	65996-61-4	89.5%	0.4833%	
				Misc., not to declare	-	5.25%	0.02835%	
11	Marking Ink	Marking ink (dry)	0.0006	Synthetic epoxy resin	25068-38-6	40.1%	0.002%	0.005%
				Pigment	Confidential	17.9%	0.0009%	
				Pigment-carbon black	1333-86-4			
				Pigment-titanium dioxide	13463-67-7			
				Polyamide Resin	68410-23-1	38.8%	0.0019%	
Polydimethylsiloxane	63148-62-9	3.2%	0.0002%					
12	Terminal-base	Copper	0.5928	Copper	7440-50-8	100%	6.399%	6.399%
13	Terminal-plating	Tin plating	0.0312	Tin	7440-31-5	100%	0.337%	0.337%
		Total Weight	9.2634					

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Important remarks: It is the responsibility of the user to verify they are accessing the latest version.