


MATERIAL DECLARATION SHEET



Material Number	SF-3812SP-T			
Product Line	Time Lag SMD Fuses			
Compliance Date	2018/12/21			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material/ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Fuse element wire	Copper Alloy	5.68	Copper	7440-50-8	100%	2.123%	2.123%
2	Glass fiber	Fiberglass Continuous Filament	13	Fiberglass Continuous Filament	65997-17-3	100%	4.858%	4.858%
3	Cap	Copper	52.224	Copper	7440-50-8	68%	19.517%	28.702%
		Zinc	23.424	Zinc	7440-66-6	30.5%	8.754%	
		Nickel	0.768	Nickel	7440-02-0	1%	0.287%	
		Gold	0.384	Gold	7440-57-5	0.5%	0.144%	
4	Solder	Tin	0.06	Tin	7440-31-5	5%	0.022%	0.448%
		Lead	1.1124	Lead	7439-92-1	92.7%	0.416%	
		Polymerized Rosin	0.0156	Polymerized Rosin	8050-09-7	1.3%	0.006%	
		Hexadecanoic acid	0.012	hexadecanoic acid	57-10-3	1%	0.004%	
5	Marking ink	Acrylic Resin	0.299	Acrylic Resin	68901-05-3	23%	0.112%	0.487%
		Photoinitiator	0.039	Photoinitiator	71868-10-5	3%	0.015%	
		Carbon Black	0.026	Carbon Black	1333-86-4	2%	0.01%	
		Talc	0.455	Talc	14807-96-6	35%	0.17%	
		Ethylene Glycol Methacrylate	0.481	Ethylene Glycol Methacrylate	868-77-9	37%	0.18%	
6	Ceramic tube	Alumina	109.6	Alumina	1344-28-1	100%	40.96%	40.96%

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7	Silicone	Quartz	19.89	Quartz	14808-60-7	33.15%	7.433%	22.422%
		Ethynyl cyclohexanol	0.33	Ethynyl cyclohexanol	78-27-3	0.55%	0.123%	
		Monovinyl terminated dimethyl (nonane and polyoxyalkylene)	12	Monovinyl terminated dimethyl (nonane and polyoxyalkylene)	68083-19-2	20%	4.485%	
		Vinyl MQ resin mixture	12	Vinyl MQ resin mixture	68988-89-6	20%	4.485%	
		Dimethylmethylhydrogen (nonanediol and polyoxyalkylene)	12	Dimethylmethylhydrogen (nonanediol and polyoxyalkylene)	68037-59-2	20%	4.485%	
		Alumina	3.6	Alumina	1344-28-1	6%	1.345%	
		Xylene	0.06	Xylene	1330-20-7	0.1%	0.022%	
		Ethylbenzene	0.06	Ethylbenzene	100-41-4	0.1%	0.022%	
		Methanol	0.06	Methanol	67-56-1	0.1%	0.022%	
		Total Weight	267.58					

This Document was updated on: 2018/12/21

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