


# MATERIAL DECLARATION SHEET



Material Number	SF-0603S-M			
Product Line	Lead Free Multilayer Solid Matrix Chip Fuse			
Compliance Date	08/30/2017			
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	Ceramic Body	Glass Ceramic	1.586	Boron	7440-42-8	7.39%	5.3470%	72.361%
				Carbon	7440-44-0	2.11%	1.5284%	
				Aluminum	7429-90-5	18.65%	13.4954%	
				Silicon	7440-21-3	15.24%	11.0271%	
				Potassium	7440-09-7	0.53%	0.3832%	
				Oxygen	7782-44-7	56.08%	40.5773%	
2	Termination	Silver with Glass	0.3838	Silver	7440-22-4	92.25%	16.1550%	17.511%
				Oxygen	7782-44-7	2.23%	0.3905%	
				Zinc	7440-66-6	1.64%	0.2872%	
				Silicon	7440-21-3	0.10%	0.0175%	
				Bismuth	7440-69-9	3.78%	0.6620%	
3	Fuse Link	Silver	0.0078	Silver	7440-22-4	100%	0.3559%	0.356%
4	Plating	Nickel	0.21	Nickel	7440-02-0	100.00%	4.3023%	9.581%
		Tin		Tin	7440-31-5	100.00%	5.2786%	
5	Black Mark	Composite	0.0022	Oxygen	7782-44-7	53.63%	0.0590%	0.100%
				Boron	7440-42-8	8.96%	0.0099%	
				Carbon	7440-44-0	2.64%	0.0029%	
				Aluminum	7429-90-5	10.46%	0.0115%	
				Silicon	7440-21-3	15.10%	0.0166%	
				Manganese	7439-96-5	0.84%	0.0009%	
				Cobalt	7440-48-4	7.20%	0.0079%	

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				Zirconium	7440-67-7	0.96%	0.0011%	
				Potassium	7440-09-7	0.21%	0.0002%	
6	Masking Layer	Glass Ceramic	0.0018	Boron	7440-42-8	9.83%	0.0081%	0.082%
				Carbon	7440-44-0	1.81%	0.0015%	
				Aluminum	7429-90-5	16.85%	0.0139%	
				Silicon	7440-21-3	15.58%	0.0129%	
				Potassium	7440-09-7	0.53%	0.0004%	
				Oxygen	7782-44-7	55.40%	0.0457%	
		Total weight	2.1918					

**This Document was updated on:** 8-30-2017

**Important remarks:**

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