


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SF-1206SA-M			
Product Line	Automotive Grade Slow Blow SMD Fuses			
Compliance Date	2020/09/02			
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	11.4898	Aluminum	7429-90-5	23.82	19.90	83.52
				Silicon	7440-21-3	16.33	13.64	
				Boron	7782-44-7	6.29	5.25	
				Oxygen	7782-44-7	53.56	44.73	
2	Fuse Link	Silver	0.0941	Silver	7440-22-4	100	0.68	0.68
3	Arc-Suppression Layer	Glass Ceramic	0.0314	Aluminum	7429-90-5	17.47	0.04	0.23
				Silicon	7440-21-3	21.47	0.05	
				Boron	7782-44-7	5.50	0.01	
				Sodium	7440-23-5	2.60	0.01	
				Oxygen	7782-44-7	52.96	0.12	
4	Termination	Silver with Glass	1.4333	Silver	7440-22-4	93.40	9.73	10.42
				Bismuth	7440-69-9	3.86	0.40	
				Zinc	7440-66-6	1.69	0.18	
				Silicon	7440-21-3	0.09	0.01	
				Oxygen	7782-44-7	0.96	0.10	
5	Plating	Nickel	0.2719	Nickel	7440-02-0	100	1.98	4.41
		Tin	0.3338	Tin	7440-31-5	100	2.43	

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6	Cyan Mark	Composite	0.0077	Aluminum	7429-90-5	21.13	0.01	0.05
				Silicon	7440-21-3	25.60	0.01	
				Potassium	7440-09-7	1.06	0.0005	
				Chromium III	7440-47-3	2.71	0.0014	
				Oxygen	7782-44-7	49.50	0.03	
7	Masking Layer	Glass Ceramic	0.0959	Aluminum	7429-90-5	23.82	0.17	0.69
				Silicon	7440-21-3	16.33	0.11	
				Boron	7782-44-7	6.29	0.04	
				Oxygen	7782-44-7	53.56	0.37	
		Total Weight	13.7579					

**This Document was updated on:** 2023/10/26

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