


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SF-0603SA-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	1.5760	Aluminum	7429-90-5	23.82	17.12	71.86
				Silicon	7440-21-3	16.33	11.74	
				Boron	7440-42-8	6.29	4.52	
				Oxygen	7782-44-7	53.56	38.49	
2	Fuse Link	Silver	0.0094	Silver	7440-22-4	100	0.43	0.43
3	Arc-Suppression Layer	Glass Ceramic	0.0100	Aluminum	7429-90-5	17.47	0.08	0.46
				Silicon	7440-21-3	21.47	0.10	
				Boron	7440-42-8	5.50	0.03	
				Oxygen	7782-44-7	2.60	0.01	
				Sodium	7440-23-5	52.96	0.24	
4	Termination	Silver with Glass	0.3838	Silver	7440-22-4	92.25	16.14	17.50
				Oxygen	7782-44-7	2.23	0.39	
				Zinc	7440-66-6	1.64	0.29	
				Silicon	7440-21-3	0.10	0.02	
				Bismuth	7440-69-9	3.78	0.66	
5	Plating	Nickel	0.0943	Nickel	7440-02-0	100	4.30	9.57
		Tin	0.1157	Tin	7440-31-5	100	5.28	

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6	Cyan Mark	Composite	0.0023	Oxygen	7782-44-7	56.09	0.06	0.10
				Aluminum	7429-90-5	18.35	0.02	
				Silicon	7440-21-3	22.28	0.02	
				Potassium	7440-09-7	0.92	0.0009	
				Chromium III	7440-47-3	2.36	0.002	
7	Masking Layer	Glass Ceramic	0.0017	Boron	7440-42-8	9.83	0.01	0.08
				Carbon	7782-42-5	1.81	0.0014	
				Aluminum	7429-90-5	16.85	0.01	
				Silicon	7440-21-3	15.58	0.01	
				Potassium	7440-09-7	0.53	0.0004	
				Oxygen	7782-44-7	55.40	0.04	
		Total Weight	2.1932					

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.