


# Material Data Sheet



Product Part Number	SA2-XXXX-XXX-STD			
Product Line	Surge Arresters			
MSL	1			
RoHS Compliant	Yes	Compliance Date	11-2012	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)	Third Party Lab Analysis
				Substances	if applicable				
1	Lateral Electrodes	Tin plated Copper	1.093	Copper	7440-50-8	99.2	45.088	45.452	Pending
				Tin	7440-31-5	0.8	0.364		
2	Ceramic	Ceramic	0.753	Aluminum oxide	1344-28-1	95	29.747	31.313	Pending
				Silicon dioxide	7631-86-9	5	1.566		
4	Brazing material	Cusil™	0.02	Silver	7440-22-4	72	0.599	0.832	Pending
				Copper	7440-50-8	28	0.233		
5	Filler material	Gas	0.00014	Nitrogen	7727-37-9	100	0.006	0.006	N/A
6	Marking	Blue Ink	0.0001	Ink (Proprietary mixture)	N/A	100	0.004	0.004	Pending
7	Leads	Tin plated Copper	0.5385	Copper	7440-50-8	99	22.169	22.393	Pending
				Tin	7440-31-5	1	0.224		
TOTAL			<b>2.40474</b>						

**This Document was updated on: March 9, 2023**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Lead weight may change depending on lead wire configurations.