

MATERIAL DECLARATION SHEET



Product Part Number	SA2-3100-Sxx-HS			
Product Line	SA2 Series High Voltage Fast Response Gas Discharge Tube			
MSL	1			
RoHS Compliant	Yes	Compliance Date	May, 2014	

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	Copper	1.084	Copper	7440-50-8	100	45.04	45.41	
		Tin	0.009	Tin	7440-31-5	100	0.37		
2	Metallized Ceramic	Ceramic	0.745	Aluminum oxide	1344-28-1	95.03	29.42	31.29	
				Silicon dioxide	7631-86-9	4.97	1.54		
		Metallization	0.008	Tungsten	7440-33-7	75	0.25		
				Nickel	7440-02-0	25	0.08		
3	Brazing material	Cusil™	0.02	Silver	7440-22-4	72	0.6	0.83	
				Copper	7440-50-8	28	0.23		
4	Filler material	Gas	0.0014	Nitrogen	7727-37-9	100	0.058	0.058	
5	Marking	Blue Ink	0.001	Tributyl phosphate	126-73-8	39.15	0.017	0.041	

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				Ammonium manganese (3+) diphosphate	10101-66-3	27.18	0.01		
				Phthalocyanine blue	13463-67-7	15.21	0.006		
				Titanium dioxide	13463-67-7	9.23	0.004		
				Methyl violet	1325-82-2	9.23	0.004		
6	Leads	Copper	0.533	Copper	7440-50-8	100	22.16	22.38	
		Tin	0.005	Tin	7440-31-5	100	0.22		
		TOTAL	2.4064						

This Document was updated on: September, 2025

Important remarks:

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