






MATERIAL DECLARATION SHEET



Product Part Number	2027-A-XX-SMLF			
Product Line	2027 Series Precision Gas Discharge Tube Surge Protector			
MSL	1			
RoHS Compliant	Yes	Compliance Date	May-2015	

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					
1	Lateral Electrodes	Cooper	0.5213	Copper	7440-50-8	100.00%	59.630	60.120	 Tin Plated Copper Electrodes.pdf
		Nickel	0.0011	Nickel	7440-02-0	100.00%	0.130		
		Tin plating	0.0032	Tin	7440-31-5	100.00%	0.370		
2	Metallized Ceramic	Ceramic	0.3188	Aluminum oxide	1344-28-1	95.01	34.640	36.829	 Metallized Ceramic.pdf
				Silicon dioxide	7631-86-9	4.99	1.820		
		Metallization	0.0032	Molybdenum	7439-98-7	65.63	0.240		
				Nickel	7440-02-0	34.38	0.130		
3	Brazing material	Cusil™	0.025	Silver	7440-22-4	72	2.059	2.859	 Cusil Washer.pdf
				Copper	7440-50-8	28	0.800		
4	Filler material	Gas	0.0007	Argon	7440-37-1	100	0.080	0.080	
5	Marking	Blue Ink	0.001	Tributyl phosphate	126-73-8	39.15	0.045	0.114	 Blue Ink.pdf
				Ammonium manganese (3+) diphosphate	10101-66-3	27.18	0.030		
				Phthalocyanine blue	147-14-8	15.21	0.017		
				Titanium dioxide	13463-67-7	9.23	0.011		
				Methyl violet	1325-82-2	9.23	0.011		

TOTAL	0.8743
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This Document was updated on: June 2024

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.