


MATERIAL DECLARATION SHEET



Material Number	GDT225EX-xx-T1 series			
Product Line	Gas Discharge Tube			
Compliance Date	May 2024			
RoHS Compliant	Yes	MSL	1	

NO	Construction Element (subpart)	Homogeneous Materials	Material weight [g]	Homogeneous Material	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt · (%)
				Substances	if applicable			
1	Electrode	Alloy	9.9265	Iron	7439-89-6	33.000%	17.7633%	53.828%
				Nickel	7440-02-0	26.000%	13.9953%	
				Copper	7440-50-8	41.000%	22.0695%	
2	Ceramic Tube	Ceramic	6.7820	Aluminum oxide	1344-28-1	95.200%	35.0113%	36.777%
				Silicon dioxide	60676-86-0	3.000%	1.1033%	
				Molybdenum trioxide	1313-27-5	1.400%	0.5149%	
				Manganese powder	7439-96-5	0.400%	0.1471%	
3	Ceramic Nickel Plating	Nickel	0.0136	Nickel	7440-02-0	100.000%	0.0737%	0.074%
4	Brazing material	Silver-copper alloy	0.0400	Silver	7440-22-4	72.000%	0.1562%	0.217%
				Copper	7440-50-8	28.000%	0.0607%	
5	Printing ink	Ink(Black)	0.0010	Tributyl phosphate	126-73-8	66.000%	0.0036%	0.005%
				Carbon Black	1333-86-4	25.000%	0.0014%	
				Others	-----	5.000%	0.0003%	
				Silica,amorphous	7631-86-9	4.000%	0.0002%	
6	Plating	Tin	0.0800	Tin	7440-31-5	99.980%	0.4337%	0.434%

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				Others	---	0.020%	0.0001%	
7	Terminal	Copper	0.9880	Copper	7440-50-8	99.970%	5.3560%	5.358%
				Traces not to declare	---	0.030%	0.0016%	
		Tin plate	0.0100	Tin	7440-31-5	100.000%	0.0542%	0.054%
8	Solder	Tin	0.6000	Tin	7440-31-5	97.500%	3.1723%	3.254%
				Silver	7440-22-4	2.000%	0.0651%	
				Copper	7440-50-8	0.500%	0.0163%	
		Total	18.4411					

This Document was updated: May 2024

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.