

# MATERIAL DECLARATION SHEET



Material Number	<b>GDT216E-xx-A</b>			
Product Line	<b>Gas Discharge Tube</b>			
Compliance Date	<b>May 2023</b>			
RoHS Compliant	<b>Yes</b>	MSL	<b>1</b>	

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	Electrode	Copper	3702.2	Copper	7440-50-8	99.97%	80.410%	80.430%
				Traces not to declare	-----	0.03%	0.02%	
2	Ceramic	Ceramic	818.36	Aluminum oxide	1344-28-1	95%	16.89%	17.779%
				Silicon dioxide	60676-86-0	3.2%	0.569%	
				Molybdenum trioxide	1313-27-5	1.4%	0.249%	
				Manganese	7439-96-5	0.4%	0.071%	
3	Ceramic Nickel Plating	Nickel	1.64	Nickel	7440-02-0	100%	0.0356%	0.0356%
4	Brazing material	Cusil™	35.0	Silver	7440-22-4	72%	0.547%	0.760%
				Copper	7440-50-8	28%	0.213%	
5	Printing ink black	Ink (Proprietary mixture)	0.8	Tributyl phosphate	126-73-8	60%	0.010%	0.017%
				Carbon Black	1333-86-4	27%	0.005%	
				Others	-----	8%	0.001%	

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				Silica,amorphous	7631-86-9	5%	0.001%	
6	Plating	Tin	45.0	Tin	7440-31-5	99.98%	0.9774%	0.978%
				Others	---	0.02%	0.0002%	
		TOTAL	4603.00					

**This Document was updated on: May 2023**

**Important remarks:**

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