

MATERIAL DECLARATION SHEET



Material Number	GDT212E-xx-A			
Product Line	Gas Discharge Tube			
Compliance Date	March 2023			
RoHS Compliant	Yes	MSL	1	

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	2504.5	Copper	7440-50-8	65%	36.951%	56.848 %
		Iron		Iron	7439-89-6	20%	11.370%	
		Nickel		Nickel	7440-02-0	15%	8.527%	
2	Ceramic	Ceramic	1824.54	Aluminum oxide	1344-28-1	95%	39.343%	41.414%
				Silicon dioxide	60676-86-0	3.2%	1.325%	
				Molybdenum trioxide	1313-27-5	1.4%	0.580%	
				Manganese	7439-96-5	0.4%	0.166%	
3	Ceramic Nickel Plating	Nickel	3.66	Nickel	7440-02-0	100%	0.083%	0.083%
4	Brazing material	Cusil™	29.9	Silver	7440-22-4	72%	0.489%	0.679 %
				Copper	7440-50-8	28%	0.190%	
5	Printing ink black	Ink (Proprietary mixture)	0.8	Tribtyl phosphate	126-73-8	60%	0.012%	0.018 %
				Carbon Black	1333-86-4	27%	0.005%	
				Others	-----	8%	0.001%	
				Silica,amorphous	7631-86-9	5%	0.001%	

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6	Plating	Tin	42.2	Tin	7440-31-5	99.98%	0.9577%	0.978%
				Others	---	0.02%	0.0002%	
		TOTAL	4405.6					

This Document was updated on: May 3, 2023

Important remarks:

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