








MATERIAL DECLARATION SHEET



Material Number	GDT225E-xx-A			
Product Line	Gas Discharge Tube			
Compliance Date	May 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. (%)	Third Party Lab Analysis
1	Electrode	Copper	9926.5	Copper	7440-50-8	41%	24.1635%	58.935%	  ETR23200095M01 ETR23200105M01 铜电极 ROHS 20230铁镍电极 ROHS 202
		Iron		Iron	7439-89-6	33%	19.4487%		
		Nickel		Nickel	7440-02-0	26%	15.3232%		
2	Ceramic	Ceramic	6781.91	Aluminum oxide	1344-28-1	95%	38.2521%	40.265 %	 瓷管 SHAE22004321901 E
				Silicon dioxide	60676-86-0	3.2%	1.2885%		
				Molybdenum trioxide	1313-27-5	1.4%	0.5637%		
				Manganese	7439-96-5	0.4%	0.1611%		
3	Ceramic Nickel Plating	Nickel	13.39	Nickel	7440-02-0	100%	0.0795%	0.0795%	
4	Brazing material	Cusil™	40.0	Silver	7440-22-4	72%	0.1710%	0.237%	 双华焊片英文ROHS. pdf
				Copper	7440-50-8	28%	0.0665%		
5	Printing ink black	Ink (Proprietary mixture)	1	Tribtyl phosphate	126-73-8	60%	0.0039%	0.006%	 油墨(黑色) RoHS 20230208. pdf
				Carbon Black	1333-86-4	27%	0.0015%		
				Others	-----	8%	0.0003%		
				Silica,amorphous	7631-86-9	5%	0.0002%		
6	Plating	Tin	80.0	Tin	7440-31-5	99.98%	0.4749%	0.475 %	 锡层 ROHS2. 0+卤素+全氟
				Others	---	0.02%	0.0001%		
TOTAL			16843.0						

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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.