


MATERIAL DECLARATION SHEET



Material Number	GDT220E-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. (%)
1	Electrode	Copper	3968.0	Copper	7440-50-8	99.97%	70.643%	70.664%
				Traces not to declare	-----	0.03%	0.021%	
2	Ceramic	Ceramic	1566.36	Aluminum oxide	1344-28-1	95%	26.500%	27.895%
				Silicon dioxide	60676-86-0	3.2%	0.8926%	
				Molybdenum trioxide	1313-27-5	1.4%	0.3910%	
				Manganese	7439-96-5	0.4%	0.1116%	
3	Ceramic Nickel Plating	Nickel	3.14	Nickel	7440-02-0	100%	0.0559%	0.0559%
4	Brazing material	Cusil™	35.0	Silver	7440-22-4	72%	0.4488%	0.623%
				Copper	7440-50-8	28%	0.1745%	
5	Printing ink black	Ink (Proprietary mixture)	0.8	Tributyl phosphate	126-73-8	60%	0.0094%	0.014%
				Carbon Black	1333-86-4	27%	0.0036%	
				Others	-----	8%	0.0007%	
				Silica,amorphous	7631-86-9	5%	0.0006%	
6	Plating	Tin	42.0	Tin	7440-31-5	99.98%	0.7478%	0.748%
				Others	---	0.02%	0.0001%	

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BOURNS[®]

TOTAL	5615.3
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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.