


# MATERIAL DECLARATION & RoHS REPORT



Product Part Number	ISOM5-xxx-B-L2			
Product Line	Gas Discharge Tube			
MSL	1			
RoHS Compliant	Yes	Compliance Date	Pending	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)	Third Party Lab Analysis
				Substances	if applicable				
1	Disk body with Silver electrode	Zinc Oxide Disc	2.015008	Zinc Oxide	1314-13-2	87.872127	58.734244	66.840585	
			0.113496	Bismuth Oxide	1304-76-3	4.949427	3.308226		
			0.068098	Antimony Trioxide	1309-64-4	2.969656	1.984936		
			0.027239	Cobalt Oxide	1307-96-6	1.187862	0.793974		
			0.018159	Nickel Oxide	1314-06-3	0.791908	0.529316		
			0.024500	Silver	7440-22-4	1.068416	0.714136		
			0.026614	Misc not to declare	----	1.160603	0.775754		
2	Coater	EPOXY RESIN (Tianjin City Kaihua Insulation)	0.480000	Epoxy Resin	25036-25-3	37.037037	5.181936	13.991228	
				Silicon dioxide	60676-86-0	37.037037	5.181936		
				Formaldehyde, polymer with 2-(chlorometjy) oxirane and phenol, reaction products with 6H-dibenz[c,e][1,2] oxaphosphorin 6-oxide Al(OH)3	300371-38-4	12.698413	1.776664		
				Pyromellitic dianhydride	89-32-7	7.936508	1.110415		
				Pigments	----	2.645503	0.370138		
				Misc not to declare	----	2.645503	0.370138		
3	Lead Wire	Tin-plated Copper Wire (Adolf Edelhoff)	0.457600	Copper	7440-50-8	99.000000	13.204921	13.338304	
				Tin	7440-31-5	1.000000	0.133383		

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5	Solder	BALVER ZINN SOLDER SN96C	0.090000	Tin	7440-31-5	95.500000	2.505304	2.623355	
				Silver	7440-22-4	3.800000	0.099688		
				Copper	7440-50-8	0.700000	0.018363		
8	Sealant glass	Yammamura glass	0.110000	Glass matrix including compounds of:				3.206323	
				Silicon	7440-21-3	3.400000	0.109015		
				Aluminum	7429-90-5	3.400000	0.109015		
				Boron	7440-42-8	6.545000	0.209854		
				Barium	7440-39-3	3.400000	0.109015		
				Zinc	7440-66-6	8.755000	0.280714		
				Bismuth	7440-69-9	58.225000	1.866882		
				Copper	7440-50-8	1.275000	0.040881		
Zirconium	7440-67-7	15.000000	0.480948						
9	Filler material	Gas	0.000007	Argon	7440-37-1	100.000000	0.000204	0.000204	
		TOTAL	<b>3.430721</b>						

**This Document was updated: March 2021**

## Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Presented data corresponds to part number ISOM5-275-B-L2, weight may change depending on IsoMOV™ type and configuration.