

MATERIAL DECLARATION SHEET

Material Number	MOV-14D470K			
Product Line	MOV Products			
Compliance Date	3-Aug-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	Disk body with Silver electrode	Zinc Oxide Disc	988.8	Zinc Oxide	1314-13-2	95.50	43.02%	44.81%
				Silver	7440-22-4	2.00	0.90%	
				Silicon dioxide	7631-86-9	0.50	0.45%	
				Dinickel trioxide	1314-06-3	0.60	0.27%	
				Manganese oxide	1317-35	0.50	0.18%	
2	COATER	EPOXY RESIN	340.2	Epoxy Resin	25036-25-3	47.3	12.40%	26.23%
				Fused Silica	60676-86-6	41.0	10.76%	
				Cupric carbonate basic	12069-69-1	2.9	0.75%	
				Titanium dioxide	13463-67-7	1.6	0.43%	
				Others	----	7.2	1.89%	
3	LEAD WIRE	Tin COPPER Clad Steel WIRE	345.1	Iron(Fe)	7439-89-6	85.0	22.47%	26.43%
				Copper(Cu)	7740-50-8	12.5	3.30%	
				Tin(Sn)	7440-31-5	2.5	0.66%	
4	SOLDER	Soldering Bar	38.4	Tin	7440-31-5	97.5	2.47%	2.53%
				Silver	7440-22-4	2.0	0.05%	
				Copper	7440-50-8	0.5	0.01%	
		Total weight	1712.5					

This Document was updated on: 6-Nov-2025

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.