

MATERIAL DECLARATION SHEET



Material Number		74xx-RC						
Product Line		Common Mode Inductors/EMI Filters						
Compliance Date		2025/2/28						
RoHS Compliant		Yes	MSL	1				
No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Bobbin	Bobbin	1.96	Phenolic- fromaldehyde Resin	9003-35-4	40%	8.175%	20.437%
				Cellulose fibrous	9004-34-6	25%	5.109%	
				Calcium carbonate	471-34-1	30%	6.131%	
				Calcium stearate	1592-23-0	5%	1.022%	
2	CORE	CORE	2.58	Iron oxide	1317-60-8	70%	18.832%	26.90%
				Manganese(II) Oxide	1344-43-0	15%	4.0354%	
				Zinc Oxide	1314-13-2	15%	4.0354%	
3	Wire	Copper	3.66	Copper	7440-50-8	100%	38.09%	39.27%
			0.11	Polyurethane	9009-54-5	100%	1.18%	
4	Clip	Stainless steel	0.45	Iron	7439-89-6	98.39%	4.616%	4.69%
				Phosphorus	7723-14-0	0.03%	0.0014%	
				Carbon	7440-44-0	0.70%	0.033%	
				Silicon	7440-21-3	0.35%	0.0164%	
				Manganese	7439-96-5	0.50%	0.0235%	
				Sulfur	7704-34-9	0.03%	0.0014%	

MATERIAL DECLARATION SHEET



5	Epoxy	Epoxy	0.03	Epoxy resin	24969-06-0	50%	0.156%	0.313%
				Special type of epoxy resin	25135-51-7	5%	0.016%	
				Dicyandiamide	461-58-5	7%	0.022%	
				Carbon black	1333-86-4	1%	0.003%	
				Bentonite	1302-78-9	13%	0.041%	
				4,4'-Methylenebis[2-Ethyl-5-Methylimidazole	95684-24-5	5%	0.016%	
				Filling agent	60676-86-0	19%	0.059%	
6	Varnish	Varnish	0.8	Dimethylbenzene	1330-20-7	40%	1.668%	8.342%
				Light aliphatic solvent naphtha	64742-89-8	60%	3.337%	
	Total weight		9.59					

This Document was updated on: 2025/2/28