


MATERIAL DECLARATION SHEET



Material Number	78F Series (R10~820)			
Product Line	Axial Inductor			
Compliance Date	2025/1/15			
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	Core	Ferrite	46	Iron oxide (Fe2O3)	1309-37-1	65.2%	15.78%	24.21
				Zinc oxide (ZnO)	1314-13-2	14.9%	3.61%	
				Nickel oxide (NiO)	1313-99-1	12.5%	3.03%	
				Cupric oxide(CuO)	1317-39-1	3.2%	0.77%	
				Magnesium oxide (MgO)	1309-48-4	4.2%	1.02%	
2	Wire	Copper (C11000)	66	Copper(Cu)	7440-50-8	99.95%	34.72%	34.74
				Misc. ,not to declare	\	0.05%	0.02%	
		Resin		3.5	Polyester Resin	113669-95-7	100.0%	1.84%
3	Lead Wire	CP Wire	55	Copper (Cu)	7440-50-8	92.0%	26.63%	28.95
				Tin (Sn)	7440-31-5	8.0%	2.32%	
4	Adhesive	Epoxy	2	Oxirane,2-(chloromethyl)-, homopolymer	24969-06-0	48.0%	0.51%	1.05
				Phenol formaldehyde resin	9003-35-4	11.6%	0.12%	
				Titanium(IV) oxide	13463-67-7	1.1%	0.01%	
				Bentonites	1302-78-9	6.9%	0.07%	
				Aluminium hydroxide	21645-51-2	32.4%	0.34%	
5	Solder	Tin	1	Tin (Sn)	7440-31-5	99.3%	0.52%	0.53
				Copper (Cu)	7440-50-8	0.7%	0.01%	

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6	Coating	Epoxy 1	10	Pigment	147-14-8	15.0%	0.79%	5.26
				Epoxy Resin	25085-99-8	70.0%	3.68%	
				Titanium Dioxide	13463-67-7	15.0%	0.79%	
		Epoxy 2	6.5	Epoxy acrylate	55818-57-0	100.0%	3.42%	3.42
		Total weight	190					

This Document was updated on: 2025/1/15

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.