


MATERIAL DECLARATION SHEET



Material Number	2100LL-270H-RC			
Product Line	High Current Toroid Inductors			
Compliance Date	23-SEP-2024			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CAS No. if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Toroid core	CS172125	6.0 (Fe-Si-Al alloy)	Iron,	7439-89-6	85%	41.20%	48.47%
				Aluminum	7429-90-5	10%	4.85%	
				Silicon	7440-21-3	5%	2.42%	
			0.6 (Coating)	EPOXY	61788-97-4	56%	2.71%	4.85%
				Dicyandiamide	461-58-5	5%	0.24%	
				Carbon Black	1333-86-4	1%	0.048%	
				Butyl Methacrylate	97-88-1	4.5%	0.218%	
				Silica	7631-86-9	28%	1.357%	
				Aluminium hydroxide	21645-51-2	4.5%	0.218%	
1,2-Dimethylimidazole	1739-84-0	1%	0.048%					
2	Wire AWG#16 HEAVY MW80C	Copper	3.6	Copper	7440-50-8	97%	33.32%	34.35%
				Polyurethane	9009-54-5	3%	1.03%	
3	Tape	#44	0.1	Polyester Film	25038-59-9	57%	0.417%	0.954%
				Polyisoprene Rubber	9003-31-0	26%	0.190%	
				Tackifying Resin	68240-09-5	10%	0.073%	
				Titanium Dioxide	13463-67-7	3%	0.022%	
				P-Tert-Butylphenol-Formaldehyde Resin	Trade Secret	3%	0.022%	
				Calcium and Zinc Salts	68188-23-8	1%	0.007%	
4	Epoxy	3300A-1LD	0.05	Epoxy resin	24969-06-0	85%	0.343%	0.477%
				Alkyl Dimethiconol	31692-79-2	5%	0.020%	
				Carbon Black	1333-86-4	1%	0.004%	
				Alkyl(C12-C14) glycidyl ether	68609-97-2	9%	0.036%	
		3300B-1LD	0.05	Polyamide Resin	63428-84-2	90%	0.363%	0.477%
				Tris(dimethylamino methyl)phenol	90-72-2	10%	0.040%	
5	Lead free solder	Sn96.5/Ag3.0/Cu0.5	0.08	Tin	7440-31-5	96.5%	0.624%	0.76%
				Silver	7440-22-4	3%	0.019%	
				Copper	7440-50-8	0.5%	0.003%	
		Total weight	10.48					

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This Document was updated on: 23-SEP-2024

Important remarks:

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