

# MATERIAL DECLARATION SHEET



Material Number	2100LL-271H-RC		
Product Line	High Current Toroid Inductors		
Compliance Date	20-DEC-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%	46.87%	57.25%
				Aluminum	7429-90-5	10%	5.515%	
				Silicon	7440-21-3	5%	2.757%	
			0.6 (Coating)	Epoxy	61788-97-4	56%	3.0886%	5.725%
				Dicyandiamide	461-58-5	5%	0.276%	
				Carbon black	1333-86-4	1%	0.055%	
				Butyl Methacrylate	97-88-1	4.5%	0.2487%	
				Silicon dioxide	7631-86-9	28%	1.603%	
				Aluminum hydroxide	21645-51-2	4.5%	1.544%	
2	Wire AWG#22 HEAVY MW80C	Copper	4	1,2-Dimethylimidazole	1739-84-0	1%	0.0557%	34.35%
				Copper	7440-50-8	97%	35.66%	
3	Tape	Tape	0.1	Polyurethane	9009-54-5	3%	1.10%	0.954%
				Polyester Film	25038-59-9	54%	0.476%	
				Polyisoprene Rubber	9003-31-0	23%	0.211%	
				Tackifying resin	68240-09-5	13%	0.119%	
				Isophthalate copolymer	24938-04-3	5%	0.046%	
				Titanium dioxide	13463-67-7	3%	0.0275%	
4	Epoxy	3300A-1LD	0.05	alkylphenol disulfide	25085-50-1	3%	0.0275%	0.477%
				Resin	68334-35-0	1%	0.0091%	
				Epoxy resin	24969-06-0	85%	0.390%	
				Aikyl Dimethiconol	31692-79-2	5%	0.023%	
		3300B-1LD	0.05	Carbon Black	1333-86-4	1%	0.004%	0.477%
				Alkyl(C12-C14) glycidyl ether	68609-97-2	9%	0.041%	
				Polyamide Resin	63428-84-2	90%	0.414%	
5	Lead free solder	Sn96.5/Ag3.0/Cu0.5	0.08	Tris(dimethylamino methyl)phenol	90-72-2	10%	0.046%	0.76%
				Tin	7440-31-5	96.5%	0.710%	
				Silver	7440-22-4	3%	0.022%	
		Total weight	10.88					

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This Document was updated on: 20-DEC-2024

**Important remarks:**

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