


# MATERIAL DECLARATION SHEET



Material Number	DR334A series			
Product Line	SMD Power Inductor			
Compliance Date	2019/1/14			
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	Core	Ferrite	0.085	Iron oxide	1309-37-1	63.0	14.30	22.37
				Nickel oxide	1313-99-1	12.0	2.72	
				Zinc oxide	1314-13-2	21.0	4.77	
				Cupric oxide	1317-38-0	4.0	0.91	
2	Wire	Copper	0.025	Copper	7440-50-8	98.0	6.45	6.58
				Polyurethane	9009-54-5	2.0	0.13	
3	Case	Ceramic	0.214	Aluminum oxide	1344-28-1	94.4	53.17	56.31
				Magnesium oxide	1309-48-4	1.3	0.73	
				Silicon dioxide	7631-86-9	1.2	0.68	
				Calcium oxide	1305-78-8	3.1	1.75	
4	Adhesive	Epoxy resin	0.05	Bisphenol A Epoxy Resin	25068-38-6	58.0	7.63	13.16
				Alkyl glycidyl ether	68609-97-2	4.0	0.53	
				2-Methylimidazole	693-98-1	10.0	1.32	
				Carbon black	1333-86-4	5.0	0.66	
				Aluminum hydroxide	21645-51-2	22.0	2.90	
Additive, not to declare	-	1.0	0.13					
5	Solder bar	Tin	0.006	Tin	7440-31-5	99.0	1.56	1.58
				Silver	7440-22-4	0.5	0.01	
				Copper	7440-50-8	0.5	0.01	
			Total weight	0.38				

This Document was updated on: 2019/1/14

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**Important remarks:**

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