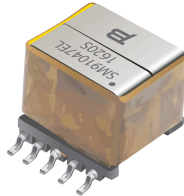


MATERIAL DECLARATION SHEET



Material Number	SM91047EL			
Product Line	Ferrite Transformer			
Compliance Date	2016-4-25			
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	Ferrite Core	Mn-Zn	4.86	Iron oxide	1309-37-1	65	52.65	81.00
				Manganese oxide	1317-35-7	20	16.2	
				Zinc oxide	1314-13-2	15	12.15	
2	Bobbin	LCP-E4008	0.28	Liquid Crystal Polymer	60088-52-0	59	2.75	4.67
				Glass fiber	65997-17-3	40	1.87	
				Carbon black	1333-86-4	1	0.05	
	Bobbin	Phosphor bronze	0.20	Copper	7440-50-8	89.8	2.99	3.33
				Tin	7440-31-5	10	0.33	
				Phosphorus	7723-14-0	0.2	0.01	
3	MAGNET Wire	Copper Wire	0.22	Copper	7440-50-8	93.76	3.44	3.67
				Polyurethane	None	6.0	0.22	
				Polyamide imide	None	0.24	0.01	
4	Triple insulation wire	TIW Copper wire	0.21	Copper	7440-50-8	93	3.26	3.50
				PET	25038-59-9	5	0.18	

MATERIAL DECLARATION SHEET



				Polyamide	312131-17-2	5	0.18	
5	TAPE	1350F	0.03	Polyethylene terephthalate	25038-59-9	44.1	0.2205	0.50
				Acrylate copolymer	-	39.0	0.195	
				1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene'	84852-53-9	7.4	0.037	
				Antimony trioxide	1309-64-4	4.4	0.022	
				Titanium dioxide	13463-67-7	3.6	0.018	
				Misc., not to declare	-	1.5	0.0075	
6	Varnish	TVB-2024	0.15	Epoxy resin; Melamine resin	38891-59-7; 9003-08-1	100	2.5	2.50
7	Solder bar	Sn/Ag/Cu	0.05	Tin	7440-31-5	95	0.7885	0.83
				Silver	7440-22-4	1	0.0083	
				Copper	7440-50-8	4	0.0332	
		Total weight	6.0					

This Document was updated on: 2016-4-25

Important remarks:

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