


# MATERIAL DECLARATION SHEET

Material Number	SM453230-181N7Y			
Product Line	SMD Pulse Transformer			
Compliance Date	2020/01/17			
RoHS Compliant	Yes	MSL	Level 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 body	Ferrite Ni-Zn Series	0.127955	Iron oxide	1309-37-1	62.000	48.670	78.50
				Nickel oxide	1313-99-1	11.000	8.635	
				Zinc oxide	1314-13-2	20.000	15.700	
				Copper oxide	1317-38-0	7.000	5.495	
2	Copper/ Coating	Copper Wire	0.01956	Copper	7440-50-8	100.000	12.000	15.00
		Copper Colored Coating On The Magnet Wire_SFHW	0.00489	Polyurethane Resin	26680-22-8	100.000	3.000	
3	Terminal	Silver paste_DP4303W	0.004075	Silver	7440-22-4	73.68	1.842	2.50
				Glass (non-lead)	60676-86-0	15.79	0.395	
				Resins	9004-57-3	10.53	0.263	
4	Solder Base	S Nickel Pellets	0.000815	Nickel	7440-02-0	100.000	0.500	0.50
5	Solder	Lead Free Solder	0.000815	Tin	7440-31-5	100.000	0.500	0.50
6	Adhesive	EPOXY_ME-5890LC	0.00489	Epoxy resin	61788-97-4	50.000	1.500	3.00
				Carbon black	1333-86-4	46.000	1.380	
				Acrylated Aliphatic Urethane	68987-79-1	4.000	0.120	
Total weight			<b>0.163</b>					

**This Document was updated on: 2020/01/17**

**Important remarks:**

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