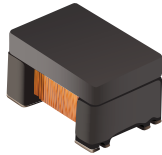


# MATERIAL DECLARATION SHEET



Material Number	SM453229-381N7Y			
Product Line	SMD Pulse Transformer			
Compliance Date	2018/02/07			
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	0.125914	Iron oxide	1309-37-1	62.0	48.670	78.50
				Nickel oxide	1313-99-1	11.0	8.635	
				Zinc oxide	1314-13-2	20.0	15.700	
				Copper oxide	1317-38-0	7.0	5.495	
2	Copper/ Coating	Copper Wire	0.019248	Copper	7440-50-8	100.0	12.000	15.00
		Copper Colored Coating On The Magnet Wire_SFHW	0.004812	Polyurethane Resin	26680-22-8	100.0	3.000	
3	Terminal	Silver paste_DP4303W	0.00401	Silver	7440-22-4	73.7	1.8425	2.50
				Silicon dioxide	60676-86-0	15.8	0.395	
				Resins	9004-57-3	10.5	0.2625	
4	Solder Base	S Nickel Pellets	0.000802	Nickel	7440-02-0	100.0	0.500	0.50
5	Solder	Lead Free Solder	0.000802	Tin	7440-31-5	100.0	0.500	0.50
6	Adhesive	EPOXY_ME-5890LC	0.004812	Epoxy resin	61788-97-4	52.1	1.563	3.00
				Carbon black	1333-86-4	47.9	1.437	
Total weight			<b>0.1604</b>					

**This Document was updated on: 2018/02/07**