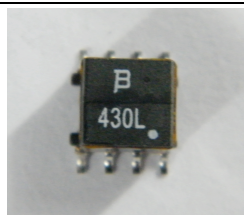


MATERIAL DECLARATION SHEET



Material Number	SM51430EL			
Product Line	TRANSFORMER, SM51430EL, VDSSL, EP-5, 10uH, 1:1, SMD, 8PIN, RoHS			
Compliance Date	2016.02.22			
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	BOBBIN	PM-9630	0.05	Phenolic resin	9003-35-4	45	0.0225	8.13
				Glass fiber	65997-17-3	45	0.0225	
				Aluminum silicate	92704-41-1	6	0.003	
				Stearic acid	61790-38-3	2	0.001	
				Carbon black	1333-86-4	2	0.001	
2	Solder Bar	Sn/Ag3.0/Cu0.5	0.05	Tin	7440-31-5	96.5	0.04825	8.13
				Silver	7440-22-4	3	0.0015	
				Copper	7440-50-8	0.5	0.00025	
3	WIRE	P180	0.15	Copper	7440-50-8	95	0.1425	24.4
				Modified polyurethane	68400-67-9	5	0.0075	
4	CORE	Mn-Zn	0.25	Iron oxide	1317-60-8	70	0.175	40.65
				Manganese(II) oxide	1344-43-0	15	0.0375	
				Zinc oxide	1314-13-2	15	0.0375	
5	TAPE	KAPTON	0.015	Polyimide	60842-76-4	39	0.00585	2.43
				Silicone rubber	63394-02-5	60.95	0.0091425	
				Solvent	108-88-3	0.05	0.0000075	
6	PIN	PIN	0.05	Copper	7440-50-8	89.5	0.04475	8.13
				Nickel	7440-02-0	1.5	0.00075	
				Tin	7440-31-5	9	0.0045	

MATERIAL DECLARATION SHEET



7	EPOXY	3300	0.05	Epoxy resin	24969-06-0	56	0.025	8.13
				Silicon	7440-21-3	4	0.002	
				Carbon Black	1333-86-4	6	0.003	
				Aluminum hydroxide	21645-51-2	24	0.012	
				Dicyandiamide	461-58-5	7	0.0035	
				2-Methylimidazole	693-98-1	3	0.0015	
		Total weight	0.615g					

This Document was updated on: 2016/05/31

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
 - a. "Compliance Date" is not the date supplier submits the MDS, but when the product was first compliant with RoHS.
 - b. "This Document was updated on:" is where we indicate when supplier submits the MDS. All previous MDS must be archived for traceability in the future.
 - c. Material weights for components less than 100mg (most Semiconductor products) should be listed in milligrams. This avoids all those zeros and round off issues.