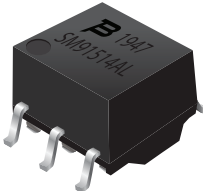


# MATERIAL DECLARATION SHEET



Material Number	<b>SM91514AL</b>			
Product Line	<b>Signal Transformer</b>			
Compliance Date	<b>2021-03-04</b>			
RoHS Compliant	<b>YES</b>	MSL	<b>1</b>	

No.	Construction Element(s) (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	Cores	Mn-Zn ferrite core	0.0806	Iron oxide	1309-37-1	68.8	13.7531	19.99
				Zinc oxide	1314-13-2	14.4	2.8786	
				Manganese oxide	1313-35-7	14.4	2.8786	
				Coating	1633-22-3	2.4	0.4798	
		Ni-Zn ferrite core	0.044	Iron oxide	1309-37-1	52.6	5.7387	10.91
				Zinc oxide	1314-13-2	11	1.2001	
				Nickel oxide	1313-99-1	33.5	3.6548	
				Copper oxide	1317-38-0	2.2	0.2400	
				Coating	1633-22-3	0.7	0.0764	

# MATERIAL DECLARATION SHEET



2	Wire	Polyamide over polyurethane enameled copper wire	0.0401	Copper	7440-50-8	80.0	7.952	9.94
				Polyurethane resin	9009-54-5	19.98	1.9860	
				Polyamide	63428-83-1	0.02	0.0020	
3	Case	Diallyl Phthalate (DAP) Molding Compound	0.1923	DAP resin	25035-78-3	30	14.304	47.68
				Aluminum Trihydroxide	21645-51-2	40	19.072	
				Glass Fiber	65997-17-3	30	14.304	
4	Terminal PIN	Phosphor Bronze Alloys	0.026	Tin	7440-31-5	8.06	0.3694	6.45
				Phosphorus	7723-14-0	0.16	0.0168	
				Copper	7440-50-8	91.54	5.9498	
				Nickel	7440-02-0	0.24	0.11089	
5	Silicone	1-2577	0.0188	Poly(dimethylsiloxane)	9016-00-6	100	4.6615	4.66
6	Solder	SAC305	0.0015	Tin	7440-31-5	96.5	0.3570	0.37
				Silver	7440-22-4	3	0.0111	
				Copper	7440-50-8	0.5	0.0019	
Total weight			0.4033					

This Document was updated on: 2021-03-04