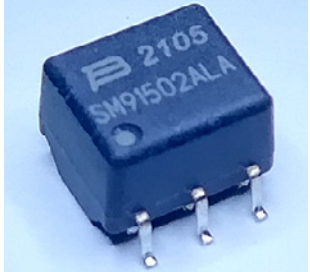


MATERIAL DECLARATION SHEET



Material Number	SM91502ALA			
Product Line	Signal Transformer			
Compliance Date	2023-05-30			
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	Core	Mn-Zn ferrite	0.0574	Ferric oxide	1309-37-1	52.9	8.0118	15.1451
				Zinc oxide	1314-13-2	13.6	2.0597	
				Manganese oxide	1317-35-7	32.3	4.8919	
				[2.2]Paracyclophane	1633-22-3	1.2	0.1817	
		Ni-Zn ferrite	0.044	Ferric oxide	1309-37-1	52.6	6.1066	11.6095
				Zinc oxide	1314-13-2	11	1.2770	
				Nickel oxide	1313-99-1	33.5	3.8892	
				Cupric oxide	1317-38-0	2.2	0.2554	
2	Wire	Red polyurethane enamelled wire	0.0086	[2.2]Paracyclophane	1633-22-3	0.7	0.0813	2.2691
				Copper	7440-50-8	85.03	1.9294	
				Polyurethane	9009-54-5	14.22	0.3227	
				Polyamide resin	68410-23-1	0.60	0.0136	
		Green polyurethane enamelled wire	0.0086	Solvent Red 122	12227-55-3	0.15	0.0034	2.2691
				Copper	7440-50-8	85.03	1.9294	
				Polyurethane	9009-54-5	14.22	0.3227	
				Polyamide resin	68410-23-1	0.60	0.0136	

MATERIAL DECLARATION SHEET



				Copper phthalocyanine	147-14-8	0.075	0.0017	
				N-[2-(2-Hydroxyethoxy)ethyl]dodecanamide	26635-75-6	0.075	0.0017	
		Blue polyurethane enamelled wire	0.0086	Copper	7440-50-8	85.03	1.9294	2.2691
				Polyurethane	9009-54-5	14.22	0.3227	
				Polyamide resin	68410-23-1	0.60	0.0136	
				Solvent Blue 35	17354-14-2	0.15	0.0034	
		Natural polyurethane enamelled wire	0.0086	Copper	7440-50-8	85.03	1.9294	2.2691
				Polyurethane	9009-54-5	14.22	0.3227	
				Polyamide resin	68410-23-1	0.75	0.0170	
3	Case	Diallyl phthalate molding compound	0.1923	DAP resin	25035-78-3	25	12.6847	50.7388
				Aluminum Trihydroxide	21645-51-2	45	22.8325	
				Glass Fiber	65997-17-3	30	15.2216	
4	Terminal PIN	Phosphor Bronze Alloys	0.024	Copper	7440-50-8	93.45	5.9177	6.3325
				Tin	7440-31-5	6.25	0.3958	
				Phosphorus	7723-14-0	0.2	0.0127	
				Iron	7439-89-6	0.1	0.0063	
		Tin plating	0.0015	Tin	7440-31-5	100	0.3958	0.3958
Nickel plating	0.0005	Nickel	7440-02-0	100	0.1319	0.1319		
5	Silicone	Silicon resin	0.0191	Poly(dimethylsiloxane)	9016-00-6	100	5.0396	5.0396
6	Solder	Tin-silver-copper alloy	0.0058	Tin	7440-31-5	96.5	1.4768	1.5303
				Silver	7440-22-4	3	0.0459	
				Copper	7440-50-8	0.5	0.0077	
		Total weight	0.3790					

This Document was updated on: 2023-05-30