

# Constitution Materials List

Product	Conductive Polymer Type Capacitor	Series	TCOB series
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- This item is in compliance with RoHS.
  - Pb Free type
- 【42Alloy frame/SnAgCu coating terminal】

Mass: 66.11 mg

No.	Part name	Substance name	CAS No.	Mass (mg)	Contents per part (%)	Contents per all (%)
1	Lead frame	Iron(Fe)	7439-89-6	4.76	52.86	7.2
		Nickel(Ni)	7440-02-0	3.43	38.09	5.19
		Copper(Cu)	7440-50-8	0.81	9.05	1.23
2	External surface coating	Tin(Sn)	7440-31-5	0.49	95.94	0.74
		Silver(Ag)	7440-22-4	0.018	3.47	0.027
		Copper(Cu)	7440-50-8	0.003	0.59	0.0044
3	Mold compound	Epoxy resin	-	2.19	9	3.32
		Antimony trioxide	1309-64-4	0.37	1.5	0.55
		Phenol novolak	9003-35-4	1.097	4.5	1.66
		Organic phosphorus compounds	-	0.098	0.4	0.15
		Halogen aromatic hydrocarbon	-	0.37	1.5	0.55
		Silicone compounds	60676-86-0	20.26	83.09	30.64
		Chromium(trivalent)	-	0.0024	0.01	0.0036
4	Capacitor element	Tantalum(Ta)	7440-25-7	28.33	89.52	42.86
		Heterocyclic compound	-	2.32	7.32	3.5
		Carbon	-	0.23	0.73	0.35
		Acrylic resin	-	0.016	0.05	0.024
		Silver(Ag)	7440-22-4	0.69	2.17	1.038
		Aromatic polyamide resin	-	0.066	0.21	0.1
5	Conductive adhesive	Silver(Ag)	7440-22-4	0.29	55	0.45
		Copper(Cu)	7440-50-8	0.19	36	0.29
		Epoxy resin	-	0.032	6	0.049
		Phenol resin	-	0.016	3	0.024
6	Inhibitor for absorption	Silicone compounds	-	0.033	100	0.05
				66.1114		100

- ※ Constitution Materials List is composed using the information provided by the raw material suppliers. However, due to the confidentiality of some suppliers, some information may not be provided fully. Therefore we cannot guarantee that all chemical substances information are listed in it.
- ※ The content shown is the representative value content.
- ※ Impurities are not specified.

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