

MATERIAL DECLARATION SHEET



Material Number	BNT04G series			
Product Line	SMD NTC Thermistor			
Compliance Date	2024/07/16			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic	Ceramic	0.85	Manganese Oxide (Mn3O4)	1317-35-7	68%	52.36	77
				Ferric Oxide (Fe2O3)	1309-37-1	3%	2.31	
				Nickel Oxide (NiO)	1313-99-1	10%	7.7	
				Cobalt Oxide (CoO)	1307-96-6	19%	14.63	
2	Electrode	Silver Paste	0.12	Silver	7440-22-4	65%	7.8	12
				Glass Frits	65997-17-3	6%	0.72	
				Ethyl Cellulose	9004-57-3	7%	0.84	
				Butyl Carbitol	112-34-5	22%	2.64	
3	Plating	Sn/ Ni	0.06	Nickel (Ni)	13770-89-3	50%	2.5	5
				Tin (Sn)	7440-31-5	50%	2.5	
4	Glass	Paste	0.07	Boron silicate	12676-29-8	50%	3	6
				Terpineol	8000-41-7	20%	1.2	
				2-Butoxyethanol	111-76-2	20%	1.2	
				Ethyl cellulose	9004-57-3	10%	0.6	
		Total Weight	1.10					

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Important remarks: It is the responsibility of the user to verify they are accessing the latest version.