


# MATERIAL DECLARATION SHEET



Material Number	BN-LG20Y series			
Product Line	Power NTC Thermistor for Inrush Current Limiting			
Compliance Date	2021-07-13			
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 Disc	Ceramic/Silver	2252.7	Manganese oxide	1313-13-9	96.30	45.83	47.59
				Silver	7440-22-4	3.70	1.76	
2	Solder	SnAgCu alloy	120.6	Tin	7440-31-5	96.5	2.46	2.55
				Silver	7440-22-4	3.0	0.08	
				Copper	7440-50-8	0.5	0.01	
3	Lead wire	Sn/Cu	820.6	Tin	7440-31-5	2.2	0.38	17.34
				Copper	7440-50-8	97.8	16.96	
4	Coating	Resin	1539.4	Silicon dioxide	60676-86-0	83.3	27.09	32.52
				Chromium oxide	1308-38-9	3.7	1.20	
				Titanium dioxide	13463-67-7	1.2	0.39	
				Silicone Resin	Trade secret	8.6	2.80	
				Additives, not to declare	N/A	3.2	1.04	
		Total Weight	4733.3					

**This Document was updated on:** 2021/07/13

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