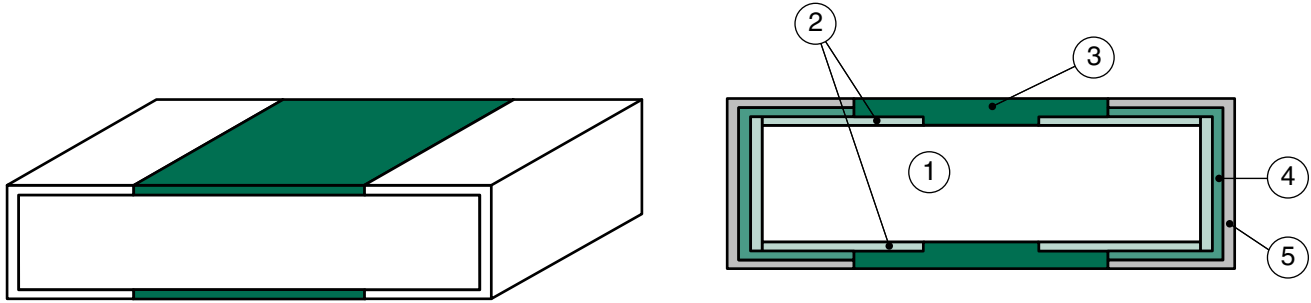


0201 NTC Chip Thermistor Material Composition



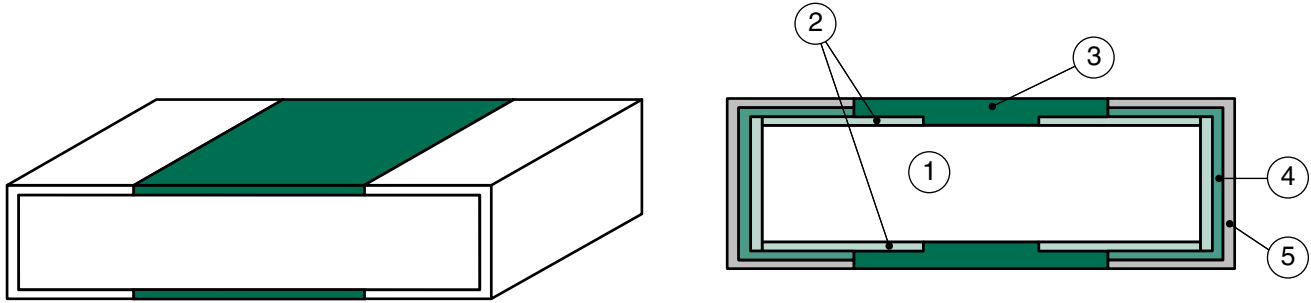
*The color of the thermistor shown is different from actual product.

This statement pertains to the following directive: 2002/95/EC of the European Parliament and of the Council of the European Union of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment regarding Article 4 and its subsequent annex on the exemption of lead in glass. No. 5 in the annex states that lead in glass of cathode ray tubes, electronic components and fluorescent tubes are exempt from RoHS requirements. Therefore any lead oxide in glass of any size thermistor is exempt and all thermistors meet RoHS requirements.

‡ Average Data

Part Name	Material	Substance Name	CAS No.	wt%	Mass mg
NTC0201	① Element/Substrate	Manganese tetroxide	1317-35-7	60.0	0.156
		Cobalt oxide	1308-06-1		
		Nickel oxide	1313-99-1		
	② Conductor layer	Silver	7440-22-4	10.5	0.027
		Palladium	7440-05-3		
		Lead oxide	1317-36-8		
		Silicon dioxide	7631-86-9		
		Boron trioxide	1303-86-2		
	④ Coating layer	Lead oxide	1317-36-8	10.0	0.026
		Silicon dioxide	7631-86-9		
		Chromium oxide	1308-38-9		
		Boron trioxide	1303-86-2		
	⑤ Plating Ni	Nickel	7440-02-0	7.0	0.019
⑥ Plating Sn	Tin	7440-31-5	12.0	0.031	
‡ All the above are approximate values calculated by the component parts of the material.				100.0	0.260

0402 NTC Chip Thermistor Material Composition



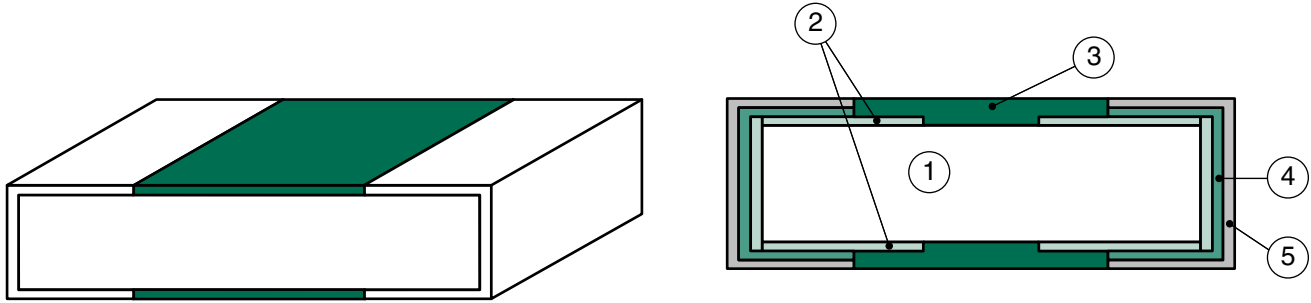
*The color of the thermistor shown is different from actual product.

This statement pertains to the following directive: 2002/95/EC of the European Parliament and of the Council of the European Union of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment regarding Article 4 and its subsequent annex on the exemption of lead in glass. No. 5 in the annex states that lead in glass of cathode ray tubes, electronic components and fluorescent tubes are exempt from RoHS requirements. Therefore any lead oxide in glass of any size thermistor is exempt and all thermistors meet RoHS requirements.

‡ Average Data

Part Name	Material	Substance Name	CAS No.	wt%	Mass mg
NTC0402	① Element/Substrate	Manganese tetroxide	1317-35-7	60.0	0.786
		Cobalt oxide	1308-06-1		
		Nickel oxide	1313-99-1		
	② Conductor layer	Silver	7440-22-4	10.5	0.136
		Palladium	7440-05-3		
		Lead oxide	1317-36-8		
		Silicon dioxide	7631-86-9		
		Boron trioxide	1303-86-2		
	④ Coating layer	Lead oxide	1317-36-8	10.0	0.132
		Silicon dioxide	7631-86-9		
		Chromium oxide	1308-38-9		
		Boron trioxide	1303-86-2		
	⑤ Plating Ni	Nickel	7440-02-0	7.0	0.092
	⑥ Plating Sn	Tin	7440-31-5	12.0	0.158
‡ All the above are approximate values calculated by the component parts of the material.				100.0	1.310

0603 NTC Chip Thermistor Material Composition



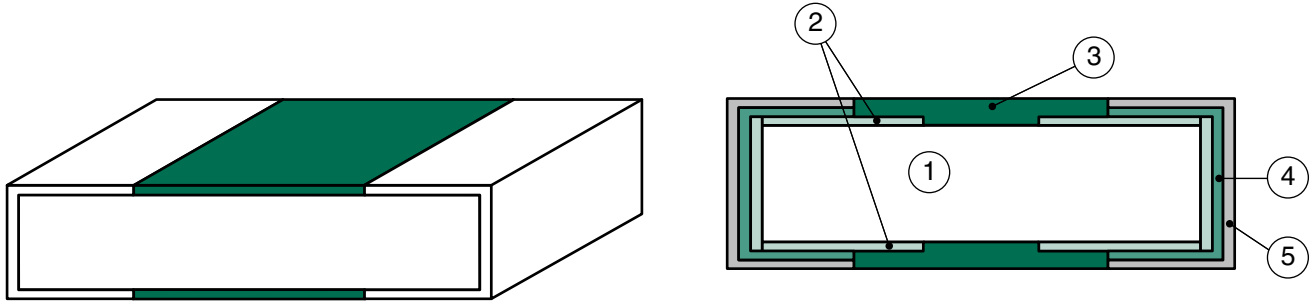
*The color of the thermistor shown is different from actual product.

This statement pertains to the following directive: 2002/95/EC of the European Parliament and of the Council of the European Union of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment regarding Article 4 and its subsequent annex on the exemption of lead in glass. No. 5 in the annex states that lead in glass of cathode ray tubes, electronic components and fluorescent tubes are exempt from RoHS requirements. Therefore any lead oxide in glass of any size thermistor is exempt and all thermistors meet RoHS requirements.

‡ Average Data

Part Name	Material	Substance Name	CAS No.	wt%	Mass mg
NTC0603	① Element/Substrate	Manganese tetroxide	1317-35-7	60.0	3.000
		Cobalt oxide	1308-06-1		
		Nickel oxide	1313-99-1		
	② Conductor layer	Silver	7440-22-4	10.5	0.530
		Palladium	7440-05-3		
		Lead oxide	1317-36-8		
		Silicon dioxide	7631-86-9		
		Boron trioxide	1303-86-2		
	④ Coating layer	Lead oxide	1317-36-8	10.0	0.050
		Silicon dioxide	7631-86-9		
		Chromium oxide	1308-38-9		
		Boron trioxide	1303-86-2		
	⑤ Plating Ni	Nickel	7440-02-0	7.0	0.350
	⑥ Plating Sn	Tin	7440-31-5	12.0	0.600
‡ All the above are approximate values calculated by the component parts of the material.				100.0	5.020

0804 NTC Chip Thermistor Material Composition



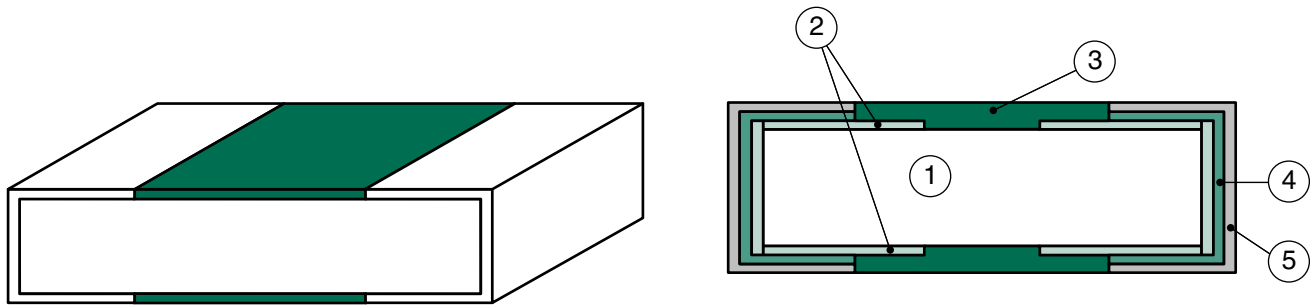
*The color of the thermistor shown is different from actual product.

This statement pertains to the following directive: 2002/95/EC of the European Parliament and of the Council of the European Union of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment regarding Article 4 and its subsequent annex on the exemption of lead in glass. No. 5 in the annex states that lead in glass of cathode ray tubes, electronic components and fluorescent tubes are exempt from RoHS requirements. Therefore any lead oxide in glass of any size thermistor is exempt and all thermistors meet RoHS requirements.

‡ Average Data

Part Name	Material	Substance Name	CAS No.	wt%	Mass mg
NTC0804	① Element/Substrate	Manganese tetroxide	1317-35-7	60.0	5.470
		Cobalt oxide	1308-06-1		
		Nickel oxide	1313-99-1		
	② Conductor layer	Silver	7440-22-4	10.5	0.960
		Palladium	7440-05-3		
		Lead oxide	1317-36-8	0.5	0.040
		Silicon dioxide	7631-86-9		
		Boron trioxide	1303-86-2		
	④ Coating layer	Lead oxide	1317-36-8	10.0	0.910
		Silicon dioxide	7631-86-9		
		Chromium oxide	1308-38-9		
		Boron trioxide	1303-86-2		
	⑤ Plating Ni	Nickel	7440-02-0	7.0	0.650
	⑥ Plating Sn	Tin	7440-31-5	12.0	1.090
‡ All the above are approximate values calculated by the component parts of the material.				100.0	9.120

1206 NTC Chip Thermistor Material Composition



*The color of the thermistor shown is different from actual product.

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‡ Average Data

Part Name	Material	Substance Name	CAS No.	wt%	Mass mg
NTC1206	① Element/Substrate	Manganese tetroxide	1317-35-7	60.0	14.630
		Cobalt oxide	1308-06-1		
		Nickel oxide	1313-99-1		
	② Conductor layer	Silver	7440-22-4	10.5	2.560
		Palladium	7440-05-3		
		Lead oxide	1317-36-8		
		Silicon dioxide	7631-86-9		
		Boron trioxide	1303-86-2		
	④ Coating layer	Lead oxide	1317-36-8	10.0	2.440
		Silicon dioxide	7631-86-9		
		Chromium oxide	1308-38-9		
		Boron trioxide	1303-86-2		
⑤ Plating Ni	Nickel	7440-02-0	7.0	1.710	
⑥ Plating Sn	Tin	7440-31-5	12.0	2.920	
‡ All the above are approximate values calculated by the component parts of the material.				100.0	24.380