

ELEMENTAL ANALYSIS



**MAX
245°C**

**MSL
1**

PRODUCT FAMILY	Material	CAS Number	% Normalize for BOM	Wt. Of BOM Item (g)	% by Wt (Comp. Item)	mg/unit	% by Wt Of Unit 371.80	ppm	
770 8	Alumina Ceramic	Al2O3	1344-28-1	0.3854	0.1433	95.00%	136.1271	36.61%	366130
		SiO2	14808-60-7			5.00%	7.1646	1.93%	19270
					100.00%	143.2917			
Conductor Thick Film	Ag	7440-22-4	0.0055	0.0020	99.00%	2.0245	0.54%	5445	
		Pd			7440-05-3	1.00%	0.0204	0.01%	55
					100.00%	2.0449			
Resistor Thick Film	RuO2	12036-10-1	0.0043	0.0016	30.00%	0.4796	0.13%	1290	
		PbO			1317-36-8	10.00%	0.1599	0.04%	430
		SiO2			14808-60-7	30.00%	0.4796	0.13%	1290
		B2O3			1303-86-2	30.00%	0.4796	0.13%	1290
					100.00%	1.5987			
Overcoat	PbO	1317-36-8	0.0043	0.0016	14.00%	0.2238	0.06%	602	
		SiO2			14808-60-7	43.00%	0.6875	0.18%	1849
		B2O3			1303-86-2	43.00%	0.6875	0.18%	1849
					100.00%	1.5987			
Lead Terminals	Fe	7439-89-6	0.1869	0.0695	92.00%	63.9303	17.19%	171948	
		Mn			7439-96-5	2.15%	1.4940	0.40%	4018
		Cu			7440-50-8	2.00%	1.3898	0.37%	3738
		Sn			7440-31-5	3.50%	2.4321	0.65%	6542
		Pb			7439-92-1	0.35%	0.2432	0.07%	654
					100.00%	69.4894			
Solder	Pb	7439-92-1	0.0967	0.0360	90.00%	32.3578	8.70%	87030	
		Sn			7440-31-5	10.00%	3.5953	0.97%	9670
					100.00%	35.9531			
Protective coating	Epoxy Resin	25068-38-6	0.3169	0.1178	36.00%	42.4164	11.41%	114084	
		Phenol, 4,4'			40039-93-8	17.00%	20.0300	5.39%	53873
		SiO2 (silica)			60676-86-0	47.00%	55.3770	14.89%	148943
		Sum				1.0000 part weight	0.3718	100.00%	117.8234
		Totals:		0.3718		371.80	100.00%	1000000	