

BCN168RB summary material content, BI Technologies Corporation 6/21/06

Average mass of BCN168RB array is 0.007 grams each. Scientific notation is used for all component masses.

Homogeneous

Material Location	Homogeneous Material Name	Substance Name	CAS #	Weight per unit (grams)	Tolerance (% of homogenous material mass)	Special classification
Substrate	Alumina	Aluminium trioxide	1344-28-1	6.123E-03	96.45%	
		Magnesium oxide	1309-48-4	7.000E-05	1.11%	
		Silicon dioxide	14808-60-7	1.330E-04	2.09%	
		Calcium oxide	1305-78-8	2.200E-05	0.35%	
Thick film	Metals and Oxides	Boron trioxide	1303-86-2	6.000E-05	11.48%	
		Bismuth trioxide	1304-76-3	1.000E-06	0.10%	
		Chromium(III) oxide	1308-38-9	5.000E-06	0.87%	
		Antimony trioxide	1309-64-4	3.000E-07	0.06%	
		Manganese oxide	1313-13-9	5.000E-06	0.92%	
		Zinc oxide	1314-13-2	2.000E-06	0.38%	
		Lead oxide	1317-36-8	1.720E-04	32.95%	PbO in thick film glass. Lead in glass of electronic components is exempted from RoHS Directive.
		Copper oxide	1317-38-0	6.000E-06	1.23%	
		Aluminium trioxide	1344-28-1	1.700E-05	3.29%	
		Ruthenium oxide	12036-10-1	9.000E-06	1.66%	
		Silicon dioxide	14808-60-7	6.000E-05	11.48%	
		Palladium	7440-05-3	9.000E-06	1.78%	
		Silver	7440-22-4	1.760E-04	33.81%	
Termination	Plating	Nickel	7440-02-0	1.830E-04	55.00%	
		Tin	7440-31-5	1.490E-04	45.00%	