

BCN218SBI summary material content, BI Technologies Corporation 6/21/06

Average mass of BCN218SBI array is 0.017 grams each. Scientific notation is used for all component masses.

Homogeneous					Tolerance (% of	
Material Location	Homogeneous Material Name	Material name	CAS #	Weight per unit (grams)	homogenous material mass)	Special classification
Substrate	Alumina	Aluminium trioxide	1344-28-1	1.459E-02	96.45%	
		Magnesium oxide	1309-48-4	1.680E-04	1.11%	
		Silicon dioxide	14808-60-7	3.160E-04	2.09%	
		Calcium oxide	1305-78-8	5.300E-05	0.35%	
Thick film	Metals and Oxides	Boron trioxide	1303-86-2	1.530E-04	13.42%	
		Bismuth trioxide	1304-76-3	5.000E-06	0.48%	
		Chromium(III) oxide	1308-38-9	1.300E-05	1.13%	
		Antimony trioxide	1309-64-4	3.000E-07	0.03%	
		Manganese(IV) oxide	1313-13-9	1.400E-05	1.27%	
		Zinc oxide	1314-13-2	3.000E-06	0.27%	
		Vanadium(V) oxide	1314-62-1	1.000E-06	0.10%	
		Lead(II) oxide	1317-36-8	4.440E-04	38.96%	PbO in thick film glass. Lead in glass of electronic components is exempted from RoHS Directive.
		Copper oxide	1317-38-0	1.700E-05	1.45%	
		Aluminium trioxide	1344-28-1	4.600E-05	4.06%	
		Ruthenium(IV) oxide	12036-10-1	1.200E-05	1.05%	
		Silicon dioxide	14808-60-7	1.540E-04	13.52%	
		Palladium	7440-05-3	1.100E-05	0.95%	
		Silver	7440-22-4	2.640E-04	23.15%	
Rest		2.000E-06	0.16%			
Termination	Plating	Nickel	7440-02-0	1.840E-04	55.00%	
		Tin	7440-31-5	1.500E-04	45.00%	