



Material Content Data Sheet



Sales Product Name		BSC12DN20NS3 G		Issued		29. August 2013		
MA#		MA000862670						
Package		PG-TDSON-8-5		Weight*		116.56 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.374	1.18	1.18	11787	11787
leadframe	non noble metal	iron	7439-89-6	0.049	0.04		422	
	inorganic material	phosphorus	7723-14-0	0.015	0.01		126	
	non noble metal	copper	7440-50-8	49.082	42.10	42.15	421075	421623
wire	non noble metal	copper	7440-50-8	0.071	0.06	0.06	606	606
encapsulation	organic material	carbon black	1333-86-4	0.081	0.07		695	
	plastics	epoxy resin	-	5.753	4.94		49352	
	inorganic material	silicondioxide	60676-86-0	34.678	29.75	34.76	297501	347548
leadfinish	non noble metal	tin	7440-31-5	1.452	1.25	1.25	12454	12454
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1420	1420
solder	non noble metal	tin	7440-31-5	0.030	0.03		261	
	noble metal	silver	7440-22-4	0.038	0.03		327	
	non noble metal	lead	7439-92-1	1.455	1.25	1.31	12485	13073
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	iron	7439-89-6	0.022	0.02		191	
	non noble metal	copper	7440-50-8	22.292	19.12	19.15	191241	191489
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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