



Material Content Data Sheet



Sales Product Name		BSC077N12NS3 G		Issued		29. August 2013		
MA#		MA000893844						
Package		PG-TDSON-8-1		Weight*		122.80 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	5.418	4.41	4.41	44118	44118
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		308	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		92	
	non noble metal	copper	7440-50-8	37.762	30.76	30.80	307510	307910
wire	non noble metal	copper	7440-50-8	0.028	0.02	0.02	229	229
encapsulation	organic material	carbon black	1333-86-4	0.078	0.06		634	
	plastics	epoxy resin	-	5.528	4.50		45016	
	inorganic material	silicondioxide	60676-86-0	33.323	27.14	31.70	271367	317017
leadfinish	non noble metal	tin	7440-31-5	1.452	1.18	1.18	11821	11821
plating	noble metal	silver	7440-22-4	0.166	0.13	0.13	1348	1348
solder	noble metal	silver	7440-22-4	0.101	0.08		825	
	non noble metal	tin	7440-31-5	0.081	0.07		660	
	non noble metal	lead	7439-92-1	3.868	3.15	3.30	31499	32984
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		92	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28	
	non noble metal	copper	7440-50-8	11.320	9.22	9.23	92184	92304
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		182	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55	
	noble metal	silver	7440-22-4	1.289	1.05		10501	
	non noble metal	copper	7440-50-8	22.292	18.15	19.23	181531	192269
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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