



Material Content Data Sheet



Sales Product Name		BSC046N10NS3 G		Issued		29. August 2013		
MA#		MA000921406						
Package		PG-TDSON-8-7		Weight*		119.93 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	1.818	1.52	1.52	15163	15163
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		315	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	copper	7440-50-8	37.762	31.48	31.52	314872	315282
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	374	374
encapsulation	organic material	carbon black	1333-86-4	0.085	0.07		709	
	plastics	epoxy resin	-	6.033	5.03		50309	
	inorganic material	silicondioxide	60676-86-0	36.370	30.33	35.43	303269	354287
leadfinish	non noble metal	tin	7440-31-5	1.452	1.21	1.21	12104	12104
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1380	1380
solder	noble metal	silver	7440-22-4	0.062	0.05		519	
	non noble metal	tin	7440-31-5	0.050	0.04		416	
	non noble metal	lead	7439-92-1	2.380	1.98	2.07	19843	20778
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		95	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28	
	non noble metal	copper	7440-50-8	11.320	9.44	9.45	94391	94514
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		186	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	copper	7440-50-8	22.292	18.59	18.62	185876	186118
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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