



Material Content Data Sheet



Sales Product Name		BTS640S2G		Issued		29. August 2013		
MA#		MA001057370						
Package		PG-TO263-7-2		Weight*		1557.77 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	6.313	0.41	0.41	4053	4053
leadframe	non noble metal	iron	7439-89-6	0.803	0.05		515	
	inorganic material	phosphorus	7723-14-0	0.241	0.02		155	
	non noble metal	copper	7440-50-8	801.714	51.44	51.51	514654	515325
wire	non noble metal	aluminium	7429-90-5	3.210	0.21	0.21	2061	2061
encapsulation	organic material	carbon black	1333-86-4	1.244	0.08		798	
	plastics	epoxy resin	-	57.214	3.67		36728	
	inorganic material	silicondioxide	60676-86-0	563.438	36.17	39.92	361695	399221
leadfinish	non noble metal	tin	7440-31-5	12.317	0.79	0.79	7907	7907
plating	non noble metal	nickel	7440-02-0	0.269	0.02		173	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.02	1	173
solder	noble metal	silver	7440-22-4	0.116	0.01		75	
	non noble metal	tin	7440-31-5	0.093	0.01		60	
	non noble metal	lead	7439-92-1	4.449	0.29	0.31	2856	2991
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.82	6.83	68181	68269
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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