



Material Content Data Sheet



Sales Product Name		BTS118D		Issued		29. August 2013		
MA#		MA001111072						
Package		PG-TO252-3-11		Weight*		390.64 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	1.872	0.48	0.48	4792	4792
leadframe	non noble metal	iron	7439-89-6	0.140	0.04		358	
	inorganic material	phosphorus	7723-14-0	0.042	0.01		107	
	non noble metal	copper	7440-50-8	139.706	35.77	35.82	357637	358102
wire	non noble metal	aluminium	7429-90-5	0.556	0.14	0.14	1424	1424
encapsulation	organic material	carbon black	1333-86-4	1.478	0.38		3784	
	plastics	epoxy resin	-	25.867	6.62		66219	
	inorganic material	silicondioxide	60676-86-0	120.468	30.84	37.84	308390	378393
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9574	9574
plating	non noble metal	nickel	7440-02-0	0.091	0.02		232	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	233
solder	noble metal	silver	7440-22-4	0.052	0.01		132	
	non noble metal	tin	7440-31-5	0.041	0.01		106	
	non noble metal	lead	7439-92-1	1.971	0.50	0.52	5046	5284
heatspreader	non noble metal	iron	7439-89-6	0.095	0.02		242	
	inorganic material	phosphorus	7723-14-0	0.028	0.01		73	
	non noble metal	copper	7440-50-8	94.488	24.19	24.22	241883	242198
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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