



Material Content Data Sheet

Sales Product Name	BTS7810K			Issued		29. August 2013		
MA#	MA000041771							
Package	P-TO263-15-1			Weight*		3359.68 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	17.367	0.52	0.52	5169	5169
leadframe	non noble metal	iron	7439-89-6	2.037	0.06		606	
	inorganic material	phosphorus	7723-14-0	0.611	0.02		182	
	non noble metal	copper	7440-50-8	2034.173	60.53	60.61	605466	606255
wire	non noble metal	aluminium	7429-90-5	1.567	0.05	0.05	466	466
encapsulation	organic material	carbon black	1333-86-4	14.087	0.42		4193	
	inorganic material	antimonytrioxide	1309-64-4	29.454	0.88		8767	
	plastics	brominated resin	-	33.296	0.99		9911	
	plastics	epoxy resin	-	243.318	7.24		72423	
	inorganic material	silicondioxide	60676-86-0	960.465	28.59	38.12	285880	381174
leadfinish	non noble metal	lead	7439-92-1	3.913	0.12		1165	
	non noble metal	tin	7440-31-5	9.939	0.30	0.42	2958	4123
plating	non noble metal	nickel	7440-02-0	0.493	0.01		147	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	147
solder	non noble metal	antimony	7440-36-0	0.896	0.03		267	
	noble metal	silver	7440-22-4	2.239	0.07		666	
	non noble metal	tin	7440-31-5	5.821	0.17	0.27	1733	2666
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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