



Material Content Data Sheet

Sales Product Name		BTS149		Issued		25. September 2017		
MA#		MA000039866						
Package		P-TO220-3-1		Weight*		2006.92 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	13.626	0.68	0.68	6789	6789
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		407	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		122	
	non noble metal	copper	7440-50-8	815.335	40.63	40.68	406261	406790
	non noble metal	aluminium	7429-90-5	2.665	0.13	0.13	1328	1328
encapsulation	organic material	carbon black	1333-86-4	6.296	0.31		3137	
	inorganic material	antimonytrioxide	1309-64-4	13.164	0.66		6559	
	plastics	brominated resin	-	14.881	0.74		7415	
	plastics	epoxy resin	-	108.748	5.42		54187	
	inorganic material	silicondioxide	60676-86-0	429.269	21.39	28.52	213895	285193
leadfinish	non noble metal	tin	7440-31-5	1.374	0.07		684	
	non noble metal	lead	7439-92-1	2.704	0.13	0.20	1347	2031
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	879	879
glue	plastics	Polyimide	26023-21-2	0.157	0.01	0.01	78	78
	non noble metal	antimony	7440-36-0	0.565	0.03		281	
solder	noble metal	silver	7440-22-4	1.412	0.07		703	
	non noble metal	tin	7440-31-5	3.670	0.18	0.28	1829	2813
	non noble metal	iron	7439-89-6	0.590	0.03		294	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		88	
	non noble metal	copper	7440-50-8	589.466	29.37	29.41	293717	294099
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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