



Material Content Data Sheet



Sales Product Name	BTS50070-1TMB			Issued		29. August 2013		
MA#	MA001116414							
Package	PG-TO220-7-12			Weight*		2118.78 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	6.391	0.30	0.30	3016	3016
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		429	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		129	
	non noble metal	copper	7440-50-8	906.793	42.79	42.84	427977	428536
wire	non noble metal	aluminium	7429-90-5	0.911	0.04	0.04	430	430
encapsulation	organic material	carbon black	1333-86-4	8.890	0.42		4196	
	plastics	epoxy resin	-	97.786	4.62		46152	
	inorganic material	silicondioxide	60676-86-0	485.965	22.94	27.98	229360	279708
leadfinish	non noble metal	tin	7440-31-5	23.005	1.09	1.09	10858	10858
plating	non noble metal	nickel	7440-02-0	0.216	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	102
glue	plastics	Polyimide	26023-21-2	0.143	0.01	0.01	67	67
solder	noble metal	silver	7440-22-4	0.098	0.00		46	
	non noble metal	tin	7440-31-5	0.078	0.00		37	
	non noble metal	lead	7439-92-1	3.746	0.18	0.18	1768	1851
heatspreader	non noble metal	iron	7439-89-6	0.584	0.03		275	
	inorganic material	phosphorus	7723-14-0	0.175	0.01		83	
	non noble metal	copper	7440-50-8	582.824	27.51	27.55	275074	275432
*deviation	< 10%	Sum in total:			100.00		1000000	

Important Remarks:

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