Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS3142D	**Issued**	29. August 2013
MA#	MA001111192		
Package	PG-TO252-3-11	**Weight***	392.98 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	5.197	1.32	1.32	13223	13223
leadframe	non noble metal	iron	7439-89-6	0.140	0.04		356	
	inorganic material	phosphorus	7723-14-0	0.042	0.01		107	
	non noble metal	copper	7440-50-8	139.706	35.56	35.61	355504	355967
wire	non noble metal	aluminium	7429-90-5	1.464	0.37	0.37	3725	3725
encapsulation	organic material	carbon black	1333-86-4	1.439	0.37		3662	
	plastics	epoxy resin	-	25.182	6.41		64081	
	inorganic material	silicondioxide	60676-86-0	117.278	29.84	36.62	298434	366177
leadfinish	non noble metal	tin	7440-31-5	3.740	0.95	0.95	9517	9517
plating	non noble metal	nickel	7440-02-0	0.091	0.02		231	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	232
solder	noble metal	silver	7440-22-4	0.102	0.03		260	
	non noble metal	tin	7440-31-5	0.082	0.02		208	
	non noble metal	lead	7439-92-1	3.905	0.99	1.04	9936	10404
heatspreader	non noble metal	iron	7439-89-6	0.095	0.02		241	
	inorganic material	phosphorus	7723-14-0	0.028	0.01		72	
	non noble metal	copper	7440-50-8	94.488	24.04	24.07	240442	240755
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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