



Material Content Data Sheet



Sales Product Name	BTS6142D			Issued	22. January 2018			
MA#	MA001966484							
Package	PG-TO252-5-11			Weight*	355.09 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	2.315	0.65	0.65	6519	6519
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		173	
	non noble metal	iron	7439-89-6	0.205	0.06		576	
	non noble metal	copper	7440-50-8	204.243	57.52	57.60	575192	575941
	non noble metal	aluminium	7429-90-5	2.034	0.57	0.57	5728	5728
wire	non noble metal	aluminium	7429-90-5	2.034	0.57	0.57	5728	5728
encapsulation	organic material	carbon black	1333-86-4	1.396	0.39		3932	
	plastics	epoxy resin	-	24.432	6.88		68805	
	inorganic material	silicondioxide	60676-86-0	113.782	32.04	39.31	320434	393171
leadfinish	non noble metal	tin	7440-31-5	5.072	1.43	1.43	14285	14285
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	215	216
glue	plastics	Polyimide	26023-21-2	0.143	0.04	0.04	402	402
solder	non noble metal	tin	7440-31-5	0.027	0.01		75	
	noble metal	silver	7440-22-4	0.033	0.01		93	
	non noble metal	lead	7439-92-1	1.268	0.36	0.38	3570	3738
*deviation	< 10%			Sum in total:		100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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