



Material Content Data Sheet



Sales Product Name		BTS5012SDA		Issued		23. January 2018		
MA#		MA001966538						
Package		PG-TO252-5-11		Weight*		356.88 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	4.876	1.37	1.37	13663	13663
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		172	
	non noble metal	iron	7439-89-6	0.205	0.06		573	
	non noble metal	copper	7440-50-8	204.243	57.22	57.30	572307	573052
	non noble metal	aluminium	7429-90-5	1.324	0.37	0.37	3711	3711
wire	non noble metal	aluminium	7429-90-5	1.324	0.37	0.37	3711	3711
encapsulation	organic material	carbon black	1333-86-4	1.378	0.39		3862	
	plastics	epoxy resin	-	24.119	6.76		67582	
	inorganic material	silicondioxide	60676-86-0	112.324	31.47	38.62	314741	386185
leadfinish	non noble metal	tin	7440-31-5	5.072	1.42	1.42	14214	14214
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	214	215
glue	plastics	Polyimide	26023-21-2	0.143	0.04	0.04	400	400
solder	non noble metal	tin	7440-31-5	0.061	0.02		171	
	noble metal	silver	7440-22-4	0.076	0.02		214	
	non noble metal	lead	7439-92-1	2.917	0.82	0.86	8175	8560
*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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