



Material Content Data Sheet



Sales Product Name		BTS50050-1EGA		Issued		27. September 2017		
MA#		MA001080468						
Package		PG-DSO-12-16		Weight*		397.91 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	7.100	1.78	1.78	17842	17842
leadframe	non noble metal	iron	7439-89-6	0.230	0.06		579	
	inorganic material	phosphorus	7723-14-0	0.069	0.02		174	
	non noble metal	copper	7440-50-8	230.106	57.82	57.90	578287	579040
wire	noble metal	gold	7440-57-5	0.165	0.04		413	
	non noble metal	aluminium	7429-90-5	1.731	0.44	0.48	4350	4763
encapsulation	organic material	carbon black	1333-86-4	0.296	0.07		743	
	plastics	epoxy resin	-	21.134	5.31		53112	
	inorganic material	silicondioxide	60676-86-0	126.360	31.76	37.14	317559	371414
leadfinish	non noble metal	tin	7440-31-5	4.235	1.06	1.06	10644	10644
plating	noble metal	silver	7440-22-4	2.172	0.55	0.55	5459	5459
glue	plastics	Polyimide	26023-21-2	0.205	0.05	0.05	514	514
solder	noble metal	silver	7440-22-4	0.103	0.03		258	
	non noble metal	tin	7440-31-5	0.082	0.02		206	
	non noble metal	lead	7439-92-1	3.923	0.99	1.04	9860	10324
*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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