



Material Content Data Sheet



Sales Product Name		BTS50050-1EGA		Issued		19. January 2018			
MA#		MA000659718							
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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com