



## Material Content Data Sheet



<b>Sales Product Name</b>		BTS50080-1TMC		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001044082						
<b>Package</b>		PG-TO220-7-4		<b>Weight*</b>		1525.59 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	6.391	0.42	0.42	4189	4189
leadframe	non noble metal	iron	7439-89-6	0.910	0.06		597	
	inorganic material	phosphorus	7723-14-0	0.273	0.02		179	
	non noble metal	copper	7440-50-8	909.052	59.58	59.66	595867	596644
wire	non noble metal	aluminium	7429-90-5	0.911	0.06	0.06	597	597
encapsulation	organic material	carbon black	1333-86-4	8.875	0.58		5818	
	plastics	epoxy resin	-	97.628	6.40		63994	
	inorganic material	silicondioxide	60676-86-0	485.182	31.80	38.78	318029	387841
leadfinish	non noble metal	tin	7440-31-5	12.090	0.79	0.79	7925	7925
plating	non noble metal	nickel	7440-02-0	0.216	0.01		141	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	141
glue	plastics	Polyimide	26023-21-2	0.143	0.01	0.01	93	93
solder	noble metal	silver	7440-22-4	0.098	0.01		64	
	non noble metal	tin	7440-31-5	0.078	0.01		51	
	non noble metal	lead	7439-92-1	3.746	0.25	0.27	2455	2570
*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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