



Material Content Data Sheet



Sales Product Name		BTS50080-1TMB		Issued		24. January 2018		
MA#		MA000401180						
Package		PG-TO220-7-12		Weight*		2118.96 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	0.30	0.30	3016	3016
leadframe	inorganic material	phosphorus	7723-14-0	0.272	0.01		129	
	non noble metal	iron	7439-89-6	0.908	0.04		428	
	non noble metal	copper	7440-50-8	906.793	42.79	42.84	427941	428498
	non noble metal	aluminium	7429-90-5	2.541	0.12	0.12	1199	1199
wire	non noble metal	aluminium	7429-90-5	2.541	0.12	0.12	1199	1199
encapsulation	organic material	carbon black	1333-86-4	8.868	0.42		4185	
	plastics	epoxy resin	-	97.546	4.60		46035	
	inorganic material	silicondioxide	60676-86-0	484.776	22.88	27.90	228780	279000
leadfinish	non noble metal	tin	7440-31-5	23.005	1.09	1.09	10857	10857
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	102	103
glue	plastics	Polyimide	26023-21-2	0.143	0.01	0.01	67	67
solder	non noble metal	tin	7440-31-5	0.078	0.00		37	
	noble metal	silver	7440-22-4	0.098	0.00		46	
	non noble metal	lead	7439-92-1	3.746	0.18	0.18	1768	1851
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		83	
	non noble metal	iron	7439-89-6	0.584	0.03		275	
	non noble metal	copper	7440-50-8	582.824	27.51	27.55	275051	275409
*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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