



Material Content Data Sheet



Sales Product Name				IPB038N12N3 G		Issued		27. September 2017	
MA#				MA000918618					
Package				PG-TO263-3-2		Weight*		1568.10 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	17.914	1.14	1.14	11424	11424	
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		194		
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	copper	7440-50-8	304.026	19.39	19.42	193882	194134	
wire	non noble metal	aluminium	7429-90-5	12.360	0.79	0.79	7882	7882	
encapsulation	organic material	carbon black	1333-86-4	9.971	0.64		6359		
	plastics	epoxy resin	-	109.681	6.99		69946		
	inorganic material	silicondioxide	60676-86-0	545.082	34.76	42.39	347608	423913	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6158	6158	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	146	
solder	noble metal	silver	7440-22-4	0.260	0.02		166		
	non noble metal	tin	7440-31-5	0.208	0.01		133		
	non noble metal	lead	7439-92-1	9.933	0.63	0.66	6334	6633	
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	iron	7439-89-6	0.548	0.04		350		
	non noble metal	copper	7440-50-8	547.666	34.92	34.97	349255	349710	
*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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