



Material Content Data Sheet



Sales Product Name				IPB020N04N G		Issued		24. January 2018	
MA#				MA001847910					
Package				PG-TO263-7-3		Weight*		1523.57 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	4.425	0.29	0.29	2905	2905	
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		158		
	non noble metal	iron	7439-89-6	0.803	0.05		527		
	non noble metal	copper	7440-50-8	801.714	52.60	52.67	526209	526894	
	non noble metal	aluminium	7429-90-5	8.953	0.59	0.59	5876	5876	
wire	non noble metal	aluminium	7429-90-5	8.953	0.59	0.59	5876	5876	
encapsulation	organic material	carbon black	1333-86-4	8.776	0.58		5760		
	plastics	epoxy resin	-	96.531	6.34		63358		
	inorganic material	silicondioxide	60676-86-0	479.728	31.49	38.41	314872	383990	
leadfinish	non noble metal	tin	7440-31-5	12.317	0.81	0.81	8084	8084	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.269	0.02	0.02	177	178	
solder	non noble metal	tin	7440-31-5	0.069	0.00		45		
	noble metal	silver	7440-22-4	0.087	0.01		57		
	non noble metal	lead	7439-92-1	3.305	0.22	0.23	2169	2271	
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		21		
	non noble metal	iron	7439-89-6	0.106	0.01		70		
	non noble metal	copper	7440-50-8	106.210	6.97	6.98	69711	69802	
*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