



Material Content Data Sheet



Sales Product Name		IPB020N04N G		Issued		19. July 2018		
MA#		MA000405276						
Package		PG-TO263-7-3		Weight*		1523.54 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	non noble metal	iron	7439-89-6	0.909	0.06		597	
	inorganic material	phosphorus	7723-14-0	0.273	0.02		179	
	non noble metal	copper	7440-50-8	907.924	59.60	59.68	595930	596706
wire	non noble metal	aluminium	7429-90-5	9.058	0.59	0.59	5945	5945
encapsulation	organic material	carbon black	1333-86-4	8.774	0.58		5759	
	plastics	epoxy resin	-	96.515	6.33		63349	
	inorganic material	silicondioxide	60676-86-0	479.651	31.48	38.39	314826	383934
leadfinish	non noble metal	tin	7440-31-5	12.317	0.81	0.81	8084	8084
plating	non noble metal	nickel	7440-02-0	0.269	0.02		177	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.02	0	177
solder	noble metal	silver	7440-22-4	0.086	0.01		56	
	non noble metal	tin	7440-31-5	0.069	0.00		45	
	non noble metal	lead	7439-92-1	3.272	0.21	0.22	2148	2249
*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