



Material Content Data Sheet



Sales Product Name		IPA045N10N3 G		Issued		19. January 2018		
MA#		MA000934650						
Package		PG-TO220-3-111		Weight*		2244.02 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	8.861	0.39	0.39	3949	3949
leadframe	non noble metal	iron	7439-89-6	1.120	0.05		499	
	inorganic material	phosphorus	7723-14-0	0.336	0.02		150	
	non noble metal	copper	7440-50-8	1118.332	49.84	49.91	498362	499011
wire	non noble metal	aluminium	7429-90-5	9.807	0.44	0.44	4370	4370
encapsulation	organic material	carbon black	1333-86-4	2.276	0.10		1014	
	plastics	epoxy resin	-	206.442	9.20		91997	
	inorganic material	silicondioxide	60676-86-0	884.301	39.41	48.71	394071	487082
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3539	3539
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	498361	136
solder	non noble metal	antimony	7440-36-0	0.429	0.02		191	
	noble metal	silver	7440-22-4	1.074	0.05		478	
	non noble metal	tin	7440-31-5	2.791	0.12	0.19	1244	1913
*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 does not use any exemption

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