



Material Content Data Sheet



Sales Product Name		IPA045N10N3 G		Issued		19. July 2018		
MA#		MA000933792						
Package		PG-TO220-3-253		Weight*		2135.57 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	8.861	0.41	0.41	4149	4149
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670	
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	copper	7440-50-8	1428.770	66.91	67.00	669033	669904
wire	non noble metal	aluminium	7429-90-5	10.585	0.50	0.50	4957	4957
encapsulation	organic material	carbon black	1333-86-4	3.290	0.15		1541	
	plastics	epoxy resin	-	128.305	6.01		60080	
	inorganic material	silicondioxide	60676-86-0	526.380	24.65	30.81	246481	308102
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10050	10050
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.430	0.02		201	
	noble metal	silver	7440-22-4	1.074	0.05		503	
	non noble metal	tin	7440-31-5	2.793	0.13	0.20	1308	2012
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com