



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP045N10N3 G		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000933784						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2029.36 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	0.44	0.44	4366	4366
leadframe	non noble metal	iron	7439-89-6	1.407	0.07		693	
	inorganic material	phosphorus	7723-14-0	0.422	0.02		208	
	non noble metal	copper	7440-50-8	1404.801	69.22	69.31	692240	693141
wire	non noble metal	aluminium	7429-90-5	8.857	0.44	0.44	4364	4364
encapsulation	organic material	carbon black	1333-86-4	2.310	0.11		1138	
	plastics	epoxy resin	-	66.989	3.30		33010	
	inorganic material	silicondioxide	60676-86-0	508.190	25.04	28.45	250419	284567
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10576	10576
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.430	0.02		212	
	noble metal	silver	7440-22-4	1.074	0.05		529	
	non noble metal	tin	7440-31-5	2.793	0.14	0.21	1376	2117
*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.
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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