



## Material Content Data Sheet



<b>Sales Product Name</b>		IGP50N60T		<b>Issued</b>		19. January 2018			
<b>MA#</b>		MA001239472							
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2032.85 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	5.465	0.27	0.27	2688	2688	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.10	40.15	401080	401602	
wire	non noble metal	aluminium	7429-90-5	5.436	0.27	0.27	2674	2674	
encapsulation	organic material	carbon black	1333-86-4	5.899	0.29		2902		
	plastics	epoxy resin	-	112.073	5.51		55131		
	inorganic material	silicondioxide	60676-86-0	471.885	23.21	29.01	232130	290163	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10558	10558	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	401079	120	
solder	non noble metal	antimony	7440-36-0	0.375	0.02		185		
	noble metal	silver	7440-22-4	0.939	0.05		462		
	non noble metal	tin	7440-31-5	2.440	0.12	0.19	1200	1847	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	289971	290348	
*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