



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP023NE7N3 G		<b>Issued</b>		23. January 2018	
<b>MA#</b>				MA000989714					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2035.94 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	12.294	0.60	0.60	6038	6038	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400471	400992	
wire	non noble metal	aluminium	7429-90-5	10.901	0.54	0.54	5354	5354	
encapsulation	organic material	carbon black	1333-86-4	5.790	0.28		2844		
	plastics	epoxy resin	-	110.007	5.40		54032		
	inorganic material	silicondioxide	60676-86-0	463.186	22.75	28.43	227504	284380	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10542	10542	
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	400470	120	
solder	non noble metal	antimony	7440-36-0	0.543	0.03		267		
	noble metal	silver	7440-22-4	1.357	0.07		667		
	non noble metal	tin	7440-31-5	3.528	0.17	0.27	1733	2667	
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	28.95	28.99	289530	289907	
*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